

MANUAL

TABLE OF CONTENTS

ABOUT US

The company.....	4
PMMA - attractive material, ecological assessment in accordance with ECO-Bau & LEED, ETAG assessment.....	5
Basic information about handling liquid resins.....	6

AREAS OF APPLICATION

Overview in the car park.....	8
Cycle paths / pedestrian passageways / parking bays / shopping areas.....	10
FGSO (colour-enhanced road surfaces).....	11
Motorway access.....	12
Traffic roundabouts (concrete).....	13
Chemical resistant roll coating.....	14
Traffic and pedestrian guidance systems.....	16
Colour designs for interiors, trafficable.....	17
Pedestrian crossings.....	18

PROJECTS

Motorway access	Crissier & Maladière.....	20
Traffic roundabout	Rümlang.....	22
Bridge renovation	Couvet.....	24

SUBSTRATE PREPARATION AND PRODUCT APPLICATION

Basic information about the application of liquid resins.....	28
Surface preparation.....	29
Surface pretreatment.....	30
SRT-, G- and R-values.....	32
PSV-value.....	33
Working guide.....	34
Substrate table and application guidelines.....	36

PRODUCTS

Anti-skid requirements.....		38
Overview table	WeTraffic products in comparison.....	39
WeTraffic 491	SlowTraffic textured roller-applied coating.....	40
WeTraffic 492	HighFriction FGSO textured surfacing.....	42
WeTraffic 493	HighPerformance textured surfacing.....	44
🍃 WeTraffic 495 Resist	Chemical resistant roll coating.....	46
🍃 WeTraffic 496 / BX	EasyClean roller-applied coating.....	48
WeTraffic 497	Roller-applied marking.....	50
WeTraffic 694	Flexibilised base resin.....	52

SURFACE REPAIRS

WeTraffic 892	Repair mortar, coarse.....	54
WeTraffic 894	Repair mortar, fine.....	55
Wecryl 885	Concrete repair mortar, high strength.....	56

STEEL PLATE COATING

WMP 113 & WeTraffic 492	Anti-slip coating system for steel plates.....	58
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BRIDGE

Wecryl 126 A	PMMA resin for bituminous composite systems 1 st layer.....	62
Wecryl 127	PMMA resin for bituminous composite systems 2 nd layer.....	63
① Wecryl 130	Primer or sealer according to ETAG 033 and TL/TP-BEL-EP.....	68
① Wecryl 240	Flexible sealing according to ETAG 033 and TL/TP-BEL-B 3 (1995).....	69
① Wecryl 890	Tack resin under mastic asphalt.....	70

TABLE OF CONTENTS

SYSTEM ACCESSORIES

Wecryl 176	Concrete primer.....	74
WMP 113	Acrylic-based metal primer.....	75
Wecryl 481	Luminescent marking.....	76
WestWood Quartz sand	Quartz sand, fire-dried.....	78
Wecryl 333 S N	Sand.....	78
Bauxite	Granular aggregate.....	78
Wekat 900	Catalyst / Starter component for WestWood PMMA resins.....	79
WestWood Cleaning Agent	Ethyl-acetate solvent.....	80
Hard rubber squeegee	45 cm.....	80
Textured rollers	for textured surfacing and roller-applied coatings.....	80
Flooring squeegee	for rubber blades.....	81
Rubber blades	for flooring squeegee.....	81

Version 12.2022

WestWood Kunststofftechnik is constantly developing its knowledge of PMMA and therefore only the current edition of the manual is valid. Current data can be found at any time in our product information sheets and safety data sheets on our homepage.



SAFETY FOR ALL

THE COMPANY



YOU CAN RELY ON US

With WestWood Kunststofftechnik AG you have a professional and loyal partner to support you when it comes to liquid waterproofing and surfacing systems. Our aim is to provide you with superior, long-lasting and reliable solutions that we develop with enthusiasm and motivation, then put into practice in conjunction with our customers and suppliers.

QUALITY & EXPERIENCE

PMMA resins have been used as waterproofing or surfacing systems in structural refurbishment for more than 30 years. WestWood Kunststofftechnik GmbH has been manufacturing high-quality PMMA based catalysed resins in Petershagen, Germany, since 1999. The Swiss subsidiary was set up in 2009.

HISTORY

The WestWood group of companies is an international enterprise specialising in PMMA-based liquid resin technology and was founded in Petershagen, Germany, in 1999. Originally the founders had decided to set up a business to manufacture liquidresin systems with their own research, development and direct sales organisations. Since then WestWood has established itself as a pioneer and supplier of modern PMMA-based surfacing technology. Outside Germany - in Switzerland, Austria, UK, USA, BENELUX and Italy - WestWood operates through subsidiaries or agencies and has a total of 100 employees.

PRODUCTION

At present WestWood manufactures several thousand tonnes of PMMA resins per annum at production facilities extending over an area of more than 4000 m². Raw materials, production processes and finished products are constantly subject to comprehensive quality controls. New products and systems are subjected to stringent tests and practical trials are carried out by experienced, qualified contractors. Naturally all our waterproofing and surfacing systems have been approved and awarded test certificates.

RESEARCH & DEVELOPMENT

State-of-the art technical equipment and the best possible test facilities help the company achieve constant improvements. The work to optimise our existing products and to develop new and innovative waterproofing solutions is ongoing.



POLYMETHYLMETH- ACRYLATE

ATTRACTIVE MATERIAL

Several decades of experience in development and application are incorporated in every product. Rapid cure times and product durability have made outstanding solutions possible, both in terms of technology and economic efficiency.

RELIABLE

A liquid waterproofing system adapts itself perfectly to the surface, which means that it will also seal complex details and upstands to prevent water ingress and sub-surface migration. PMMA waterproofing systems will safely accommodate substrate movement.

DURABLE

In terms of their chemical structure, PMMA resins are elastic, free from plasticisers and therefore lastingly resilient. According to the European Technical Assessment (ETA), the service life of the roof waterproofing system is classified as W3, the highest category (service life > 25 years).

+ RELIABLE CURING PROCESS

The curing process is problem-free and the products display reliable interlayer adhesion.

+ STABILITY AND RESISTANCE

They are alkali-resistant, hydrolysis-resistant and UV-resistant.

+ WEATHER CONDITIONS

They can be applied in almost any weather conditions.

+ TEMPERATURE

They function perfectly, even at low temperatures and in high humidity.

+ RAPID

Highly reactive PMMA resins are fully cured in about 30 minutes. The individual layers are immediately ready for overlaying or for use. A balcony, for example, can be refurtohed in just a single day. A ramp can be reopened to pedestrian and vehicular traffic after just a few hours.

MINERGIE-ECO

Selected products from our range are certified as compliant with the ecological and health-related requirements of the MINERGIE ECO standard and are listed on the website www.eco-bau.ch. This means that WestWood PMMA products can be used for new build and refurtohedment projects in accordance with MINERGIE-ECO criteria. Sustainable construction is supported by the national, cantonal and municipal building authorities in Switzerland and promoted by the eco-bau association founded by those authorities.



LEED

Many products are also assessed by greenbuildingproducts.eu on the basis of LEED criteria. Leadership in Energy and Environmental Design (LEED) is a system used to classify building materials in terms of their sustainability achievement and was developed by the US Green Building Council in 1998.

greenbuildingproducts.eu

ETAG

WestWood has obtained European Technical Approval (ETA) for its waterproofing products and meets the requirements of the EU construction products directive (CE marking). This provides generally accepted evidence of the technical suitability of construction products as defined by the building products regulations of EU member states. According to this, our products are suitable for the most demanding use classes.



BASIC INFORMATION

HEALTH AND SAFETY AT WORK

The following protective measures should always be applied when handling chemical products used in the construction industry:

- Avoid contact with eyes and skin
- When using do not smoke, eat or drink
- Wear suitable protective clothing and gloves
- Refer to product and safety data sheets

STORAGE

- Keep container tightly closed.
- Protect against direct sunlight and heat.
- Keep the container in a dry, cool, well-ventilated place and protect from frost.
- Minimum storage stability is 6 months.
- In winter the container should, if possible, be stored at room temperature prior to application.

TRANSPORT

- The load must be adequately secured during transportation.
- When transporting dangerous goods, the vehicle must be equipped with a 2 kg fire extinguisher.
- The driver must have the cargo documents available.
- Shipping must be in accordance with the generally applicable ADR transport regulations.
- The catalyst must be separated from the resins during shipping (e.g. in a cardboard box).
- The pallet and containers must be protected from direct sunlight and heat at all times.

ENVIRONMENTAL COMPATIBILITY

The possibility of odour nuisance during the application of WestWood PMMA resins cannot be excluded. Ventilation systems may also spread the smell associated with PMMA. Due to the very low threshold odour numbers of liquid PMMA (monomers), this smell is easily discernible. The human sense of smell will perceive even minute contents in the air as unpleasant. Under current statutory regulations (law on chemical substances, ordinance on hazardous substances) PMMA is not regarded as harmful to health.

If the product is to be applied in enclosed spaces, forced ventilation must be provided, with a minimum 7-fold air exchange per hour. Respiratory protection must be worn during application if the statutory threshold values are exceeded. There are no emissions from PMMA resins once the curing process has been completed. If the basic safety recommendations are complied with, PMMA resins do not represent a health hazard either to the applicator or to the environment. Please do not hesitate to contact us for further information. If you are interested, you can request our status report on PMMA, which deals with everything relating to the application of PMMA in the construction industry, such as toxicity and the environment. Sustainability assessments in accordance with the LEED (Leadership in Energy and Environmental Design) standard and eco-bau certificates are also available online.

Our safety data sheets apply, and these can be downloaded from our website.

DISPOSAL

If any amounts are left over or if waterproofing systems or coatings have to be removed, they are treated as mixed construction waste when cured and can generally be disposed of as landfill. In addition, the EWC (European Waste Catalogue) codes, e.g. 170203, as shown in the safety data sheets, apply as far as regional waste management companies are concerned.





AREAS OF APPLICATION

WeTr  ffic

INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

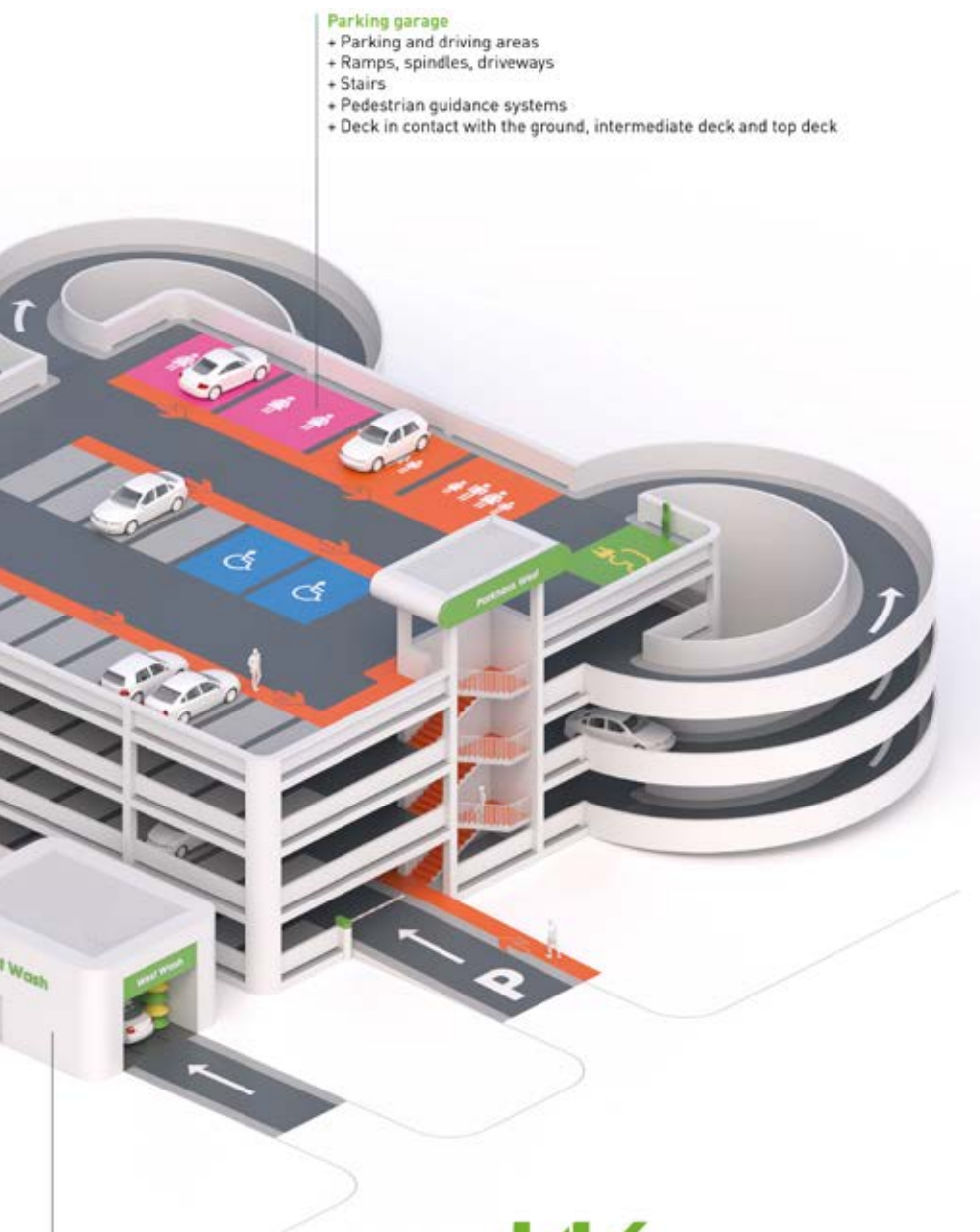
SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES





Parking garage

- + Parking and driving areas
- + Ramps, spindles, driveways
- + Stairs
- + Pedestrian guidance systems
- + Deck in contact with the ground, intermediate deck and top deck

Car wash

- + Floor coatings
(chemical resistant & non-slip)

WestWood®

INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

SYSTEM STRUCTURE

CYCLE PATHS | PEDESTRIAN PASSAGEWAYS | PARKING BAYS | SHOPPING AREAS



SRT > 45

CONCRETE

Layer	Product	Approx. cons.	Page
Primer layer	Wecryl 176	0.5 - 0.8 kg / m ²	74
Wearing layer	WeTraffic 491	1.8 - 2.5 kg / m ²	40

ROLLED ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 491	1.8 - 2.5 kg / m ²	40

MASTIC ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 491	1.8 - 2.5 kg / m ²	40

SYSTEM STRUCTURE

COLOUR-ENHANCED ROAD SURFACES (FGSO)



SRT > 65

CONCRETE

Layer	Product	Approx. cons.	Page
Primer layer	Wecryl 176	0.5 - 0.8 kg / m ²	74
Wearing layer	WeTraffic 492	3.5 - 4.5 kg / m ²	42

ROLLED ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 492	3.5 - 4.5 kg / m ²	42

MASTIC ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 492	3.5 - 4.5 kg / m ²	42

SYSTEM STRUCTURE

MOTORWAY ACCESS



CONCRETE

Layer	Product	Approx. cons.	Page
Primer layer	Wecryl 176	0.5 - 0.8 kg / m ²	74
Wearing layer	WeTraffic 493	5.0 - 6.0 kg / m ²	44

ROLLED ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 493	5.0 - 6.0 kg / m ²	44

MASTIC ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 493	5.0 - 6.0 kg / m ²	44

SYSTEM STRUCTURE

TRAFFIC ROUNDABOUTS (CONCRETE)



SRT > 65

CONCRETE

Layer	Product	Approx. cons.	Page
Primer layer	Wecryl 176	0.5 - 0.8 kg / m ²	74
Wearing layer	WeTraffic 493	5.0 - 6.0 kg / m ²	44

INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

SYSTEM STRUCTURE

CHEMICAL RESISTANT ROLL COATING



CONCRETE

Layer	Product	Approx. cons.	Page
Primer layer	Wecryl 176	0.5 - 0.8 kg / m ²	74
Wearing layer	WeTraffic 495 Resist	1.8 kg / m ²	46

ROLLED ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 495 Resist	1.8 kg / m ²	46

MASTIC ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 495 Resist	1.8 kg / m ²	46



SYSTEM STRUCTURE

TRAFFIC AND PEDESTRIAN GUIDANCE SYSTEMS



CONCRETE

Layer	Product	Approx. cons.	Page
Primer layer	Wecryl 176	0.5 - 0.8 kg / m ²	74
Wearing layer	WeTraffic 496 BX	1.8 kg / m ²	48

ROLLED ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 496 BX	1.8 kg / m ²	48

MASTIC ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 496 BX	1.8 kg / m ²	48

SYSTEM STRUCTURE

COLOUR DESIGNS FOR INTERIORS, TRAFFICABLE



INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

CONCRETE

Layer	Product	Approx. cons.	Page
Primer layer	Wecryl 176	0.5 - 0.8 kg / m ²	74
Wearing layer	WeTraffic 496	1.3 kg / m ²	48

ROLLED ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 496	1.3 kg / m ²	48

MASTIC ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 496	1.3 kg / m ²	48

SYSTEM STRUCTURE

PEDESTRIAN CROSSINGS



SRT > 45

CONCRETE

Layer	Product	Approx. cons.	Page
Primer layer	Wecryl 176	0.5 - 0.8 kg / m ²	74
Wearing layer	WeTraffic 497	3.0 - 3.5 kg / m ²	50

ROLLED ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 497	3.0 - 3.5 kg / m ²	50

MASTIC ASPHALT

Layer	Product	Approx. cons.	Page
Primer layer	No primer required	-	-
Wearing layer	WeTraffic 497	3.0 - 3.5 kg / m ²	50

PROJECTS

MOTORWAY ACCESS

CRISSIER & MALADIÈRE



BASIC DATA		
Object	Lausanne South	Direction Crissier–Morges
	Crissier	Direction Lausanne–Yverdon
Substrate	Rolled asphalt	
Scope	750 m²	
Time	September 2017	
Products	WeTraffic 493 RAL 7043	
Requirement	Increased road grip to reduce accidents	



APPROX. 22:00 H: PREPARATION

The substrate is prepared and cleaned by shot blasting.



APPROX. 23:00 H: SUBSTRATE

The shot-blasted substrate is ready to be resurfaced.



APPROX. 23:15 H: MIXING

The containers are prepared by adding catalyst to the resin and mixing continuously for 2 minutes.



APPROX. 23:30 H: SURFACING

Approx. 6.00 kg / m² PMMA resin is directly applied with a 60 cm rubber squeegee...



APPROX. 23:45 - 03:00 H: TEXTURING

... and immediately textured with a 40 cm textured roller.



APPROX. 03:00 - 04:30 H: CURING

The result is a success: high-quality surfacing with durable anti-skid protection.

MOTORWAY ACCESS

IN ACCORDANCE WITH ZTV ASPHALT-STB 2007

MEASUREMENTS AT CRISSIER & MALADIÈRE / 22 JUNE 2018 BY IMP BAUTEST AG
(INSTITUTE FOR MATERIALS TESTING)

i.m.p

Certificat

Page 2 de 2

02-08-00015 Goulet d'étranglement N01, **Crissier**

Tronçon C1

voie 1

Mesure de la qualité antidérapante avec SKM

Résultats μ_{SKM} par étape de 20m				Exigences à une vitesse de 40 km/h			
Profil km	1 ^{ère} mesure I _{Peak}	2 ^{ème} mesure I _{Peak}	Moyenne I _{Peak}	Valeur de réception ZTV Asphalt- StB 2007 I _{Peak}	Fin du délai de garantie ZTV Asphalt- StB 2007 I _{Peak}	Ecart TP GfL-StB (SKM/2007)	
						admiss.	effect.
0.000 - 0.020	0.655	0.664	0.659	0.56	0.49		0.01
0.020 - 0.040	0.709	0.713	0.711				0.00
0.040 - 0.060	0.704	0.720	0.712				0.02
0.060 - 0.080	0.716	0.729	0.723				0.01
0.080 - 0.100	0.709	0.714	0.712				0.00
0.100 - 0.120	0.680	0.682	0.681				0.00

i.m.p

Certificat

Page 2 de 2

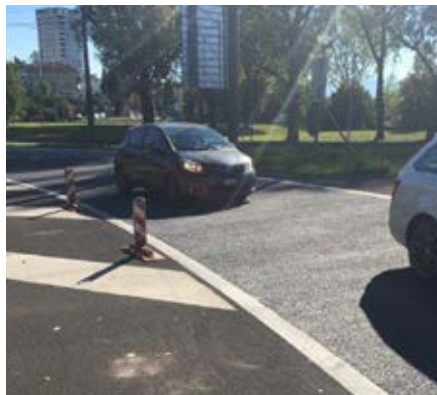
02-08-00015 Goulet d'étranglement N01, **Maladière**

Tronçon M7

voie 1

Mesure de la qualité antidérapante avec SKM

Résultats μ_{SKM} par étape de 20m				Exigences à une vitesse de 40 km/h			
Profil km	1 ^{ère} mesure I _{Peak}	2 ^{ème} mesure I _{Peak}	Moyenne I _{Peak}	Valeur de réception ZTV Asphalt- StB 2007 I _{Peak}	Fin du délai de garantie ZTV Asphalt- StB 2007 I _{Peak}	Ecart TP GfL-StB (SKM/2007)	
						admiss.	effect.
0.000 - 0.020	0.735	0.715	0.725	0.56	0.49		0.02
0.020 - 0.040	0.763	0.763	0.763				0.00
0.040 - 0.060	0.735	0.737	0.736				0.00
0.060 - 0.075	0.815	0.685	0.640				0.05



TRAFFIC ROUNDABOUT

RÜMLANG



BASIC DATA

Object	"Eberhard Bau" roundabout, Rümlang
Substrate	Concrete
Scope	approx. 850 m ²
Time	10 - 12 August 2018
Requirement	Increased road grip to reduce accidents / surfacing protection



PREPARATION

The concrete was first prepared by shot blasting and the joints were also removed.



CRACK REPAIR

Transverse incisions were made, stud bolts inserted, and the grooves filled with resin to prevent the cracks from spreading any further.



PRIMER

The entire concrete surface was primed with Wecryl 176 and quartz sand broadcast on top to create a matt coating.



WETRAFFIC 694

WeTraffic 694 was applied as receiving layer and subsequently...



BAUXITE GRANULAR AGGREGATE

... topped with excess bauxite. This was left overnight and the roundabout was cleaned the following day..



SEALER

The next day, as ground temperatures were falling, the entire area was sealed with Wecryl 220.

TRAFFIC ROUNDABOUT

RÜMLANG

INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES



BRIDGE RENOVATION

COUVET



BASIC DATA

Object	Bridge, Couvet
Substrate	Metal & Concrete (30 m²)
Scope	approx. 200 m²
Time	July 2020
Requirement	Bridge renovation



CONDITION BEFORE RENOVATION

The bridge is in heavy use and has naturally weathered over the years, with the decking showing extensive spalling.



DECONSTRUCTION & CORROSION PROTECTION

Peeling and sanding by the company "Bellarenova", installation of corrosion protection.



SEALING

Wecryl 176 primer was applied over this layer and then sealed with Wecryl 273. Wecryl 333 levelling mortar was applied to protect the layers below.



COATING WITH WETRAFFIC 492

WeTraffic 492 in RAL 7032, which has a very good skid resistance of > SRT 65, was laid as the wearing surface.



COATING WITH WETRAFFIC 492

The WeTraffic 492 was applied with a Float and rolled with the texture roller.

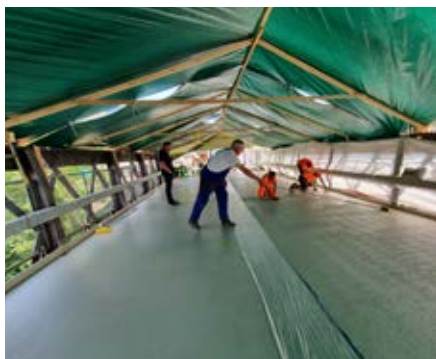


READY

The bridge could be opened immediately and the traffic could roll again.

BRIDGE RENOVATION

COUVET



INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

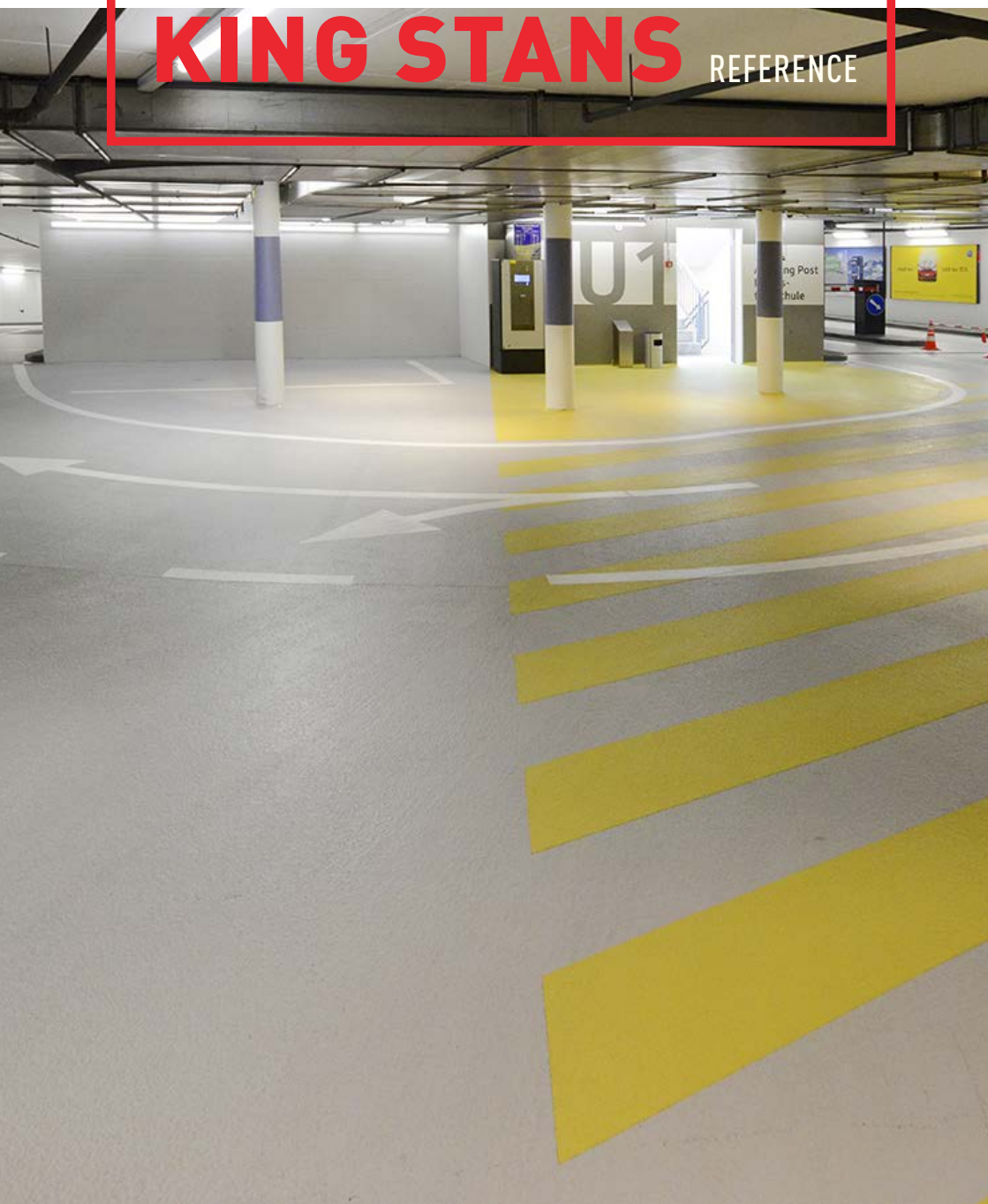
STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

STATION PARKING STANS

REFERENCE



SUBSTRATE PREPARATION

REQUIREMENTS



BASIC PRINCIPLES & STANDARDS

Liquid resins must always be applied in accordance with current standards. These specify the layer thicknesses, junction heights, residual moisture in the substrate etc. You will find a summary of the most important standards and requirements on the next pages.

SUBSTRATE

A well-prepared substrate plays a key role and forms the basis for the quality and serviceability of a liquid-resin coating system. Detailed information for assessing the substrate and the appropriate pre-treatment for the various types of substrates can be found below.

TEMPERATURES

WestWood liquid resins perform perfectly, even at low temperatures and at high humidity. These products can generally be applied within a temperature range from +3 °C min. to +35 °C. Some products are also suitable for application at subzero temperatures. Please refer to the relevant product data sheets for specific information.

However, the substrate temperature and dew point are also important during application. The substrate temperature must be at least 3 °C above the dew point during application and curing. You will find further information on pages for the relevant product.

HUMIDITY AND MOISTURE

- The relative humidity must be $\leq 90\%$.
- The surface to be coated must be dry and ice-free.
- The surface must be protected from moisture until the coating has hardened.



VENTILATION WHEN WORKING INDOORS OR IN TANKS / POOLS

Inadequate ventilation can adversely affect the curing process of PMMA products. A 7-fold air exchange per hour must be ensured throughout the curing period if the product is to be applied in enclosed spaces without adequate ventilation. Air circulation must be ensured in pools or tank-shaped structural components. If reaction problems do arise on account of inadequate ventilation, the following measures will need to be taken:

The affected patches must be removed with WestWood Cleaning Agent and then sanded smooth after a flash-off time of approx. 20 - 25 minutes. The product must then be applied.

MIXING

WestWood liquid resins are fast-curing, two-component PMMA-based products. The second component, i.e. the catalyst, activates the reaction in the resin. Depending on the temperature, the reaction time can be accelerated by adding greater amounts of catalyst. For the reaction process to be completed, the mixing time of approx. 2 minutes must be complied with.

TOOL CARE

If work is interrupted or when it is completed, the tools must be cleaned thoroughly with WestWood Cleaning Agent within the pot life of the material (approx. 10 minutes). This can be done with a brush. The tools are ready to be used again as soon as the cleaning agent has evaporated fully. Simply immersing the tools in the cleaning agent will not prevent the material from hardening.

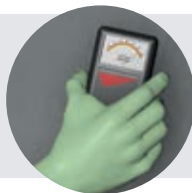
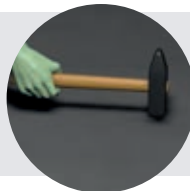
PREPARATION

SURFACE PREPARATION

It is vital that the substrate is tested before any surface treatment takes place. A correct assessment has a direct impact on the finished surface and the warranty. Normally the substrate, after inspection, is prepared by mechanical means so that it is ready for coating. However, close examination may also reveal the need for localised substrate replacement. In rare cases the substrate is found to be unsuitable for coating and may need to be replaced in its entirety. The following inspection methods can be applied:

CHECKING FOR CAVITIES

A hammer is used to check for cavities and unsound patches, e.g. in granolithic concrete or cement screeds. The affected sections are then marked.



NON-DESTRUCTIVE MEASUREMENT OF SUBSTRATE MOISTURE

The residual moisture of mineral substrates must not exceed 4 % w/w. Although not all authorities recognise electronic measuring methods, we recommend using this non-destructive method as a preliminary assessment. We recommend measuring instruments manufactured by Tramex.

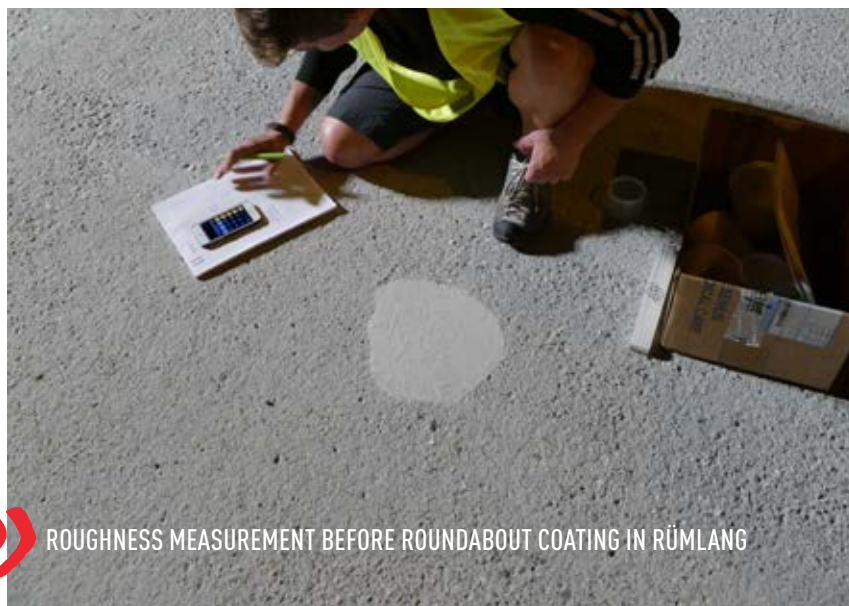
Dealer: Novamart AG, St. Georgenstrasse 159, 9011 St. Gallen, CH

TESTING THE TENSILE BOND STRENGTH

A suitable measuring instrument is used to test the tensile bond strength of the existing substrate. The following minimum values must be met:

Cementitious substrates
Asphalt substrates

>1.5 N/mm²
>0.8 N/mm²



ROUGHNESS MEASUREMENT BEFORE ROUNDBOUT COATING IN RÜMLANG

PRE-TREATMENT

Substrate preparation is designed to create a sound substrate with good adhesion properties. The primer that is then applied acts as a barrier to protect absorbent substrates from any rising water vapour and other gases and offers the best possible adhesion. In the case of non-absorbent substrates the primer ensures optimum adhesion. The primer may even be dispensed with on some substrates. Subsequent levelling smooths out any unevenness or negative gradient slopes and closes open joints. Requirements regarding residual moisture (wood, concrete), tensile bond strength and roughness height stipulated in standards must be complied with. An adequately prepared and pre-treated substrate is a solid foundation for WestWood systems and helps ensure their long-term serviceability.

SHOT BLASTING

Criss-cross shot blasting is an economical, dust-free and environmentally compatible method of substrate preparation that allows a large area to be treated efficiently. It removes the cement crust which severely reduces the tensile bond strength and gives the substrate sufficient roughness height for effective application of the primer. It also removes all loose particles.



DIAMOND GRINDING

Diamond grinding achieves a smooth finish by abrading the surface, while also removing the cement crust. Transitions and junctions are smoothed over. We recommend this type of grinding for smaller, planar areas that cannot be shot-blasted. Otherwise criss-cross shot-blasting of the surface is suitable as substrate preparation. Grinding is also recommended for the removal of existing coatings, sealants, surfacers and residual adhesive. Diamond grinding can be used to prepare existing coatings for overlaying.

SCARIFICATION

This is recommended for very rough substrates. Depending on the quality of the surface, this method involves removing up to 3 mm of substrate with each operation. It removes cement slurry, coats of paint, sealants, thin-bed coatings, levelling surfacer, bitumen waterproofing and major soiling. Followed by shot blasting, it creates a perfect surface for the subsequent application of WestWood products.



BUSH-HAMMERING

Bush-hammering is the ideal substrate preparation for smaller areas where shot-blasting equipment cannot be used. This method is gentle on the concrete and increases the surface area to be coated. Even after grinding, bush-hammering can increase the roughness height of the surface.

CLEANING

Only a degreasing cleaning agent that evaporates without leaving a residue is to be used to clean non-absorbent substrates. We recommend WestWood Cleaning Agent for this purpose.



MANUAL GRINDING / ROUGHING

Manageable, hand-held grinders can also be used for junctions, upstands and details, as well as tight and less accessible areas. A grinder fitted with a ZEC disc can be used to abrade sheet metal, window frames, wood and concrete. Conventional sandpaper or a belt grinder represents a further option.

CLEANING WITH A LEAF BLOWER OR INDUSTRIAL VACUUM CLEANER

Once grinding has been completed, a leaf blower must be used for the final and thorough cleaning operation. Abrasive dust in the pores reduces the adhesive properties of the primer and will coat the roller if this is used to apply the primer.





SRT-, G- AND R-VALUES

SRT-VALUE

The SRT pendulum tester (Skid Resistance Tester) was originally developed in England. It is a stationary measuring device for determining the skid resistance of road surfaces and markings. The test procedure is defined in the standards SN 640 512-4 and DIN EN 13036-4. It measures the micro-roughness of the surface. The result of the measurement is an SRT value. This value is not comparable with the slip resistance values R or the friction values μ . The SRT value also includes the result of the Moore outflow meter, which measures the macro-roughness. The SRT pendulum is a pendulum with a rubber-covered sliding body that swings from a fixed height at a speed of 3 m/s and grinds with one edge (and not fully) over a measuring distance of 126 mm of the road surface / marking. The energy converted by the sliding process is determined by the height of the pendulum's climb and results in a measure, the SRT value, for the skid resistance of the tested surface.



G-VALUE

In Switzerland, the slip resistance of floor coverings can be determined in the laboratory using a stationary measuring machine (Wuppentaler Boden- und Schuhtester BST 2000). In this process, a floor covering is fixed on a mobile table and shifts under an artificial foot equipped with a friction material (standard shoes or skin substitute materials).

The evaluation groups GS 1 to GS 4 apply to the footwear area and GB 1 to GB 3 to the barefoot area. The classification GS 4 or GB 3 means the greatest slip resistance.

R-VALUE

In Germany, the majority of slip resistance tests are carried out with a person walking on an adjustable ramp (inclined plane). Appropriately trained testers with safety shoes walk forwards and backwards on the test surface in an upright position. The inclination is increased from a horizontal position to an angle of inclination (angle of acceptance) at which the inspectors become so unsteady that they are no longer able to continue the walk.

For workrooms and work areas with slip hazards, the tested floor coverings are divided into the evaluation groups R 9 to R 13 and for wet barefoot areas into the evaluation groups A, B and C, whereby coverings with the evaluation group R 13 or C result in the greatest slip resistance.



PSV-VALUE



PSV-VALUE (POLISHED STONE VALUE)

The polished stone value indicates the resistance of a mineral substance to the polishing action of vehicle tyres, which is a useful characteristic in road construction. The higher the value, the greater the stone's resistance to heavy wear.

The test method is laid down in standards SN 670 903-8B and DIN EN 1097-8. The PSV is determined under laboratory conditions.

Description of the test procedure:

- The test is carried out on mineral aggregates that pass through a 10 mm sieve and are retained by a 7.2 mm slotted sieve tray.
- Individual test samples are subjected to the polishing action of an accelerated polishing machine.
- The state of polish of each individual test sample is determined by measuring the grip using a skid resistance tester.
- These various skid-resistance measurements are used to determine the PSV.

TABLE OF ROCKS AND MATERIALS WITH A HIGH POLISHED STONE VALUE

PRODUCT	DESCRIPTION	PSV-VALUE
Andesite	Volcanic rock	53
Basalt	An extrusive igneous rock	48 - 50
Bauxite	Calcined	71 - 83
Diabase	An extrusive igneous rock belonging to the basalt family	51 - 54
Durop	A synthetic hard material created by electro-metallurgical melting process	61
Granite	A plutonic rock	50 - 55
Granodiorite	A light-coloured intrusive igneous rock related to granite	50 - 55
Greywacke	A sedimentary rock	51 - 53
Luxovite	A calcined flint	56 - 58
Mandurax	A corundum-based, hard material	70
Quartz sand	Hard grain	45 - 55
Rhyolithe	A volcanic rock, very similar to granite	51 - 53

WORK GUIDE

With this summary, we would like to support you in the efficient execution of PMMA coatings and markings. Please observe the safety precautions for basic processing with PMMA according to our manual.

1

SUBSTRATE TESTING & PREPARATION

- ✓ The surface is dry and free from dirt / oil
- ✓ The surface has been pre-treated properly
- ✓ The border of the area to be marked has been defined with masking tape
- ✓ Large areas have been divided into smaller sections in line with the container sizes to check the consumption rate
- ✓ The weather conditions are suitable for marking work to be carried out (see product data sheet)
- ✓ The mixing area, the relevant products and tools have been prepared



DIFFERENCES BETWEEN THE SUBSTRATES

Concrete

- At least 4 weeks old
- Remove cement crust
- Shot blasting / grinding

Mastic asphalt

- Topped: immediately overlayable
- Not topped:
Remove bitumen surface
- Shot blasting

Rolled asphalt

- at least 90 days old or by arrangement
- clean from dirt
- Broom / blower

Our technical advisors will be happy to provide you with detailed information on the substrates.

2

COAT OF PRIMER (IF REQUIRED)

- ✓ The dew point has been checked
- ✓ The floor temperature should not be more than 30 °C
- ✓ The catalyst (as specified on container label / product data sheet) has been mixed with the resin for at least 2 minutes
- ✓ The entire mixture has been stirred thoroughly by machine
- ✓ Consumption rate as specified in the product data sheet must be adhered to

! A layer of PMMA will be fully cured in approx. 30 minutes. Wait for a full cure to be achieved before overlaying.



PRIMER PER SUBSTRATE

Concrete

Wecryl 176

Mastic asphalt

no primer necessary

Rolled asphalt

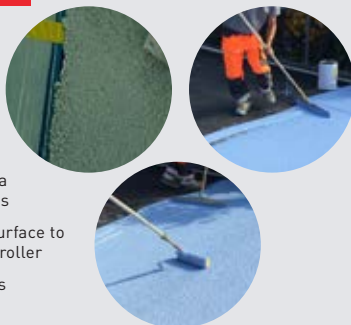
no primer necessary

WORK GUIDE

Would you like training or one of our specialists on site to support you?
Contact us - we will be happy to advise you individually.

3 SURFACING

- ✓ The dew point has been checked
- ✓ At high temperatures, carry out work early in the morning or at night
- ✓ Cleaning agent is ready for the tools
- ✓ The catalyst (as specified on container label / product data sheet) has been mixed with the resin for at least 2 minutes
- ✓ The product must be spread rapidly and evenly over the surface to grain height, then finished immediately with the textured roller
- ✓ The masking tape must be removed BEFORE the resin has cured fully



PRODUCT DIFFERENCES

WeTraffic 491

Applied with rubber scraper or smoothing trowel and re-rolled with texture roller

WeTraffic 492

Applied with rubber scraper or smoothing trowel and re-rolled with texture roller

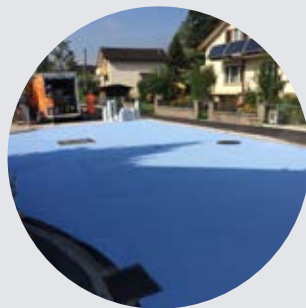
WeTraffic 496

Smoothing trowel, re-rolled with texture roller

Consumption rates are based on general assumptions and may vary depending on the substrate, quality and roughness height.

4 CURING, CHECKS AND READINESS FOR TRAFFIC

- ✓ Immediate cleaning of tools (e.g. WestWood Cleaning Agent)
- ✓ Visual inspection of the entire surface
- ✓ Waiting for the whole area to be fully cured
- ✓ Site tidied
- ✓ Opened to traffic
- ✓ Site log has been completed



SUBSTRATE TABLE

SUBSTRATES	PRE-TREATMENT	PRIMER	REMARKS
Rolled asphalt	Clean with blower / broom	Not necessary	
Mastic asphalt	Remove bitumen surface (shot-blasting)	Not necessary	
Concrete	Grind with diamond cup wheel or shot-blast	Wecryl 176	- The cement crust must be removed - Tensile bond strength 1.5 N / mm² min.
Mortar, synthetic-resin modified	Grind with diamond cup wheel or shot-blast	Wecryl 176	- The cement crust must be removed - Tensile bond strength 1.5 N / mm² min. - For synthetic-resin modified always test on site
Cement mortar	Grind with diamond cup wheel or shot-blast	Wecryl 176	- The cement crust must be removed - Tensile bond strength 1.5 N / mm² min.
Stabilising layer	Grind with diamond cup	Wecryl 176	Please contact technical support
Steel	- Degrease with WestWood Cleaning Agent - Abrade with ZEC disc	WMP 113 WMP 174 S	
Non-ferrous metals	- Degrease with WestWood Cleaning Agent - Abrade with ZEC disc	WMP 113 WMP 174 S	
Steel, galvanised	- Degrease with WestWood Cleaning Agent	WMP 113 WMP 174 S	- Warning: Zinc is an anticorrosion layer – do not abrade - We recommend bond strength tests on site
Noble metals	- Degrease with WestWood Cleaning Agent - Abrade with ZEC disc	WMP 113 WMP 174 S	- We recommend bond strength tests on site
Wood, raw	- Abrade with ZEC disc	Wecryl 176	- Apply two coats of primer if necessary - Pores must be closed - Not recommended as substrate for main / planar area

This information is intended as a guide. Given the wide range of materials, different properties and variations may apply. Consequently we cannot offer any guarantees for the information provided and recommend that you test the bond strength on site if in doubt. If required, you can also send us a sample (at least 30 x 50 cm) and we will run tests to determine the optimum substrate pre-treatment for your requirements.



PRODUCTS

SKID RESISTANCE

REQUIREMENTS ACCORDING TO EXCERPT OF SWISS STANDARD SN 640 525

The standard lays down requirements for two measuring systems in accordance with SNR CEN/TS 15901-8(5) and SNR CEN/TS 15901-10 (6). To avoid disagreements when interpreting the results of measurements, we recommend choosing one of the measuring methods specified in this standard and writing the values to be met into the contract.

If a different measuring system is used, the acceptance values and limit values must be determined in advance on the basis of a correlation with one or two of the measuring systems mentioned in this standard. Approved studies or research must be applied for this purpose.



GRIP REQUIREMENTS

Table 6 shows the acceptance values and limit values for the dynamic grip measuring systems. The measuring speed is dependent not only on the stipulated maximum speed but must also take local conditions into account (road curviness and grade, traffic volume). The speed increments of the stipulated requirements result in the same quality rating for grip, irrespective of the measuring speed.

TABLE 6
ACCEPTANCE VALUES AND LIMIT VALUES FOR THE DYNAMIC GRIP MEASURING SYSTEMS

Grip requirements	Acceptance values μ			Threshold values μ		
Dynamic measuring methods	40 km/h	60 km/h	80 km/h	40 km/h	60 km/h	80 km/h
Skiddometer BV 8 (locked test wheel)	0,70	0,58	0,49	0,60	0,48	0,38
SKM & SCRIM (angled test wheel)	0,58	0,48	0,42	0,48	0,39	0,32

The reference values for local application of the combined SRT/outflow meter method are shown in the table below. These values are dependent on the indicated maximum speed. A dynamic grip measurement must be carried out if the SRT values are lower or the outflow times longer than the specified reference values.

TABLE 7
GUIDE VALUES OF GRIP STRENGTH FOR LOCAL APPLICATION OF THE COMBINED METHOD SRT-PENDULUM/OUTFLOW METER

Reference values for grip	Combined SRT/outflow meter method	
Indicated maximum speed	SRT value	Outflow time (s)
> 80 km/h (HLS)	60	50
60...80 km/h (out of town)	60	50
≤ 50 km/h (inner city)	60	50

DESCRIPTION	WeTraffic 491	WeTraffic 492	WeTraffic 493	WeTraffic 495 Resist	WeTraffic 496	WeTraffic 496 BX	WeTraffic 497
	SlowTraffic Textured roll coating	HighFriction FG50 Textured coating	HighPerformance Textured coating	Chemical resistant roll coating	EasyClean Roll coating	EasyClean Roll coating with integrated bauxite	Roll marking
AREAS OF APPLICATION	outside	outside	outside	outside	inside	in- and outside	outside
APPLICATION EXAMPLES	Cycle paths, parking spaces, forecourts etc.	Main and secondary roads	Braking and acceleration sections, concrete roundabouts, steep ramps, etc.	Petrol stations Parking areas	Pedestrian guidance systems, parking areas, arcades	Pedestrian guidance systems, parking areas, shopping arcades	Pedestrian crossing
SKID RESISTANCE VALUE	SRT > 45	SRT > 65	SRT > 65	SRT > 45	R10 - R11 SRT < 45	R12 SRT > 45	SRT > 45
GRIP AGENT	Bauxite 0.5 - 1.0 mm	Bauxite 0.9 - 1.4 mm	Bauxite 1 - 3 mm	Bauxite 0.5 - 1.0 mm	Quartz sand	Bauxite 0.5 - 1.0 mm	Quartz sand & hard materials

SUBSTRATES	Concrete with primer: Wecryl 176 Asphalt: without primer	Concrete with primer: Wecryl 176 Asphalt: without primer	Concrete with primer: Wecryl 176 Asphalt: without primer	Concrete with primer: Wecryl 176 Asphalt: without primer	Concrete with primer: Wecryl 176 Asphalt: without primer	Concrete with primer: Wecryl 176 Asphalt: without primer	Concrete with primer: Wecryl 176 Asphalt: without primer
COLOURS	RAL-Colours	RAL-Colours	RAL-Colours	RAL 7011, 7012, 7016, 7022, 7043, 9017	RAL-Colours	RAL-Colours	RAL-Colours
CONTAINER SIZE IN KG	15 kg	15 kg	15 kg	15 kg	15 kg	15 kg (already 20% bauxite mixed in)	15 kg
APPROX. CONS. KG / M ²	1.8 - 2.5 kg / m ²	3.5 - 4.5 kg / m ²	5.0 - 6.0 kg / m ²	approx. 1.8 kg / m ²	approx. 1.3 kg / m ²	approx. 1.8 kg / m ²	3.0 - 3.5 kg / m ²

SYSTEM ACCESSORIES	BRIDGE	STEEL PLATE COATING	SURFACE REPAIRS	PRODUCTS	SUBSTRATE PREPARATION	PROJECTS	AREAS OF APPLICATION	INFO
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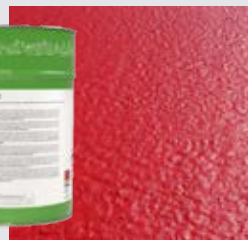
WETRAFFIC 491

SLOWTRAFFIC TEXTURED, ROLLER-APPLIED COATING (BAUXITE 0.50 – 1.00 MM)



PROPERTIES

- ✓ Maximum abrasion resistance
- ✓ Non-skid
- ✓ Grip SRT > 45
- ✓ Permanently weather-resistant (UV-, hydrolysis-, alkali-resistant)
- ✓ Any RAL colour
- ✓ Easy and fast application
- ✓ Fast-curing
- ✓ Solvent-free



APPLICATION

WeTraffic 491 SlowTraffic is a highly abrasion resistant and skid-resistant surfacing product, specially developed for coating areas where there is slow-moving traffic. It can also be applied to asphalt surfaces without a primer.

PACK SIZE

WeTraffic 491 15 kg
Catalyst 3 x 100 g

APPROX. CONS.

WeTraffic 491 1.80 - 2.50 kg / m²

SUBSTRATES

Asphalt (can be applied to asphalt without a primer), concrete and cementitious substrates (with primer)

TECHNICAL DATA

Density approx. 1.70 g / cm³



We advise against applying the product to fresh asphalt less than 90 days old.

TOOLS

With sheepskin roller and textured roller

PRODUCT

Description	Colour	Container size	Containers / pallet
WeTraffic 491	*	15 kg	45 Containers

*COLOURS IN ACCORDANCE WITH RAL

WeTraffic 491 is available in practically any RAL colour, with the exception of special-effect colours. WeTraffic 491 is divided into different price groups (see overview table by RAL colours in our price list).



Delivery time for colours: 5 - 10 working days

CATALYST DOSAGE

WeTraffic 491

* = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	3%	3%	2%	2%	1.5%	1.5%	1.5%	1%	1%	1%	-	-

APPLICATION TIMES

WeTraffic 491	at 20 °C; 1.5 % Cat.
Pot life	approx. 12 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 45 Min.
Fully cured	approx. 2 H

APPLICATION TEMPERATURES

WeTraffic 491	Temperature range in °C
Air	-10 to +35
Substrate*	-5 to +40
Material	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

WETRAFFIC 491

PROJECTS



AREAS OF APPLICATION

- + Cycle paths
- + Pedestrian passageways
- + Parking bays
- + Forecourts



INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

WETRAFFIC 492

HIGH FRICTION FGSO TEXTURED SURFACING (BAUXITE 0.90 – 1.40 MM)



PROPERTIES

- ✓ Highly abrasion-resistant, PSV of bauxite is 70 - 80
- ✓ Superior skid resistance and grip
- ✓ >SRT 65 (SN 640 214 FGSO)
- ✓ Resistant to mechanical stress
- ✓ Chloride-resistant
- ✓ Easy and fast application
- ✓ Fast-curing
- ✓ Solvent-free



APPLICATION

WeTraffic 492 is designed specifically for use on public main and side roads as well as other traffic areas. Due to its special properties, WeTraffic 492 is particularly suitable for the colour enhancement of roads and ramps. The product meets the requirements of standard SN 640 214 FGSO for road marking colours.

TOOLS

Rubber squeegee and textured roller

PACK SIZE

WeTraffic 492 15 kg
Catalyst 3 x 100 g

SUBSTRATES

Asphalt (can be applied to asphalt without a primer), concrete and cementitious substrates (with primer)



We advise against applying the product to fresh asphalt less than 90 days old.

APPROX. CONS.

WeTraffic 492 3.50 - 4.50 kg / m²

TECHNICAL DATA

Density approx. 1.82 g / cm³

PRODUCT

Description	Colour	Container size	Containers / pallet
WeTraffic 492	*	15 kg	45 Containers

*COLOURS IN ACCORDANCE WITH RAL

WeTraffic 492 is available in practically any RAL colour, with the exception of special-effect colours. WeTraffic 492 is divided into different price groups (see overview table by RAL colours in our price list).



Delivery time for colours: 5 -10 working days

CATALYST DOSAGE

WeTraffic 492 * = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	3%	3%	2%	2%	1.5%	1.5%	1.5%	1%	1%	-	-	-

APPLICATION TIMES

WeTraffic 492	at 20 °C; 1.5 % Cat.
Pot life	approx. 12 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 45 Min.
Fully cured	approx. 2 H

APPLICATION TEMPERATURES

WeTraffic 492	Temperature range in °C
Air	-10 to +35
Substrate*	-5 to +40
Material	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

WETRAFFIC 492

PROJECTS



AREAS OF APPLICATION

- + Crossroads
- + Cycle (multi-purpose) lanes
- + Dangerous stretches of road



INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

WETRAFFIC 493

HIGH PERFORMANCE TEXTURED SURFACING (BAUXITE 1.00 – 3.00 MM)



PROPERTIES

- ✓ Maximum abrasion resistance, PSV of bauxite is 70-80
- ✓ High skid resistance and grip > SRT 65
- ✓ Resistant to mechanical stress
- ✓ Chloride-resistant
- ✓ Easy and rapid application
- ✓ Rapid curing
- ✓ Solvent-free



APPLICATION

WeTraffic 493 is a highly abrasion-resistant and extremely skid-resistant coating based on polymethyl-methacrylate (PMMA), specifically designed for use on roads and traffic areas where increased road safety is required. Due to the outstanding properties of the particles already mixed into the product as a guide to layer thickness, the best possible textured finish can be achieved, which helps to shorten braking distances considerably.

SUBSTRATES

Asphalt (can be applied to asphalt without a primer), concrete and cementitious substrates (with primer)

 We advise against applying the product to fresh asphalt less than 90 days old.

TOOLS

With rubber squeegee (40 cm wide) and textured roller

PACK SIZE

WeTraffic 493 15 kg
Catalyst 3 x 100 g

APPROX. CONS.

Asphalt/Concrete 5.00 - 6.00 kg / m²

TECHNICAL DATA

Density approx. 1.85 g / cm³

PRODUCT

Description	Colour	Container size	Containers / pallet
WeTraffic 493	*	15 kg	45 Containers

*COLOURS IN ACCORDANCE WITH RAL

WeTraffic 493 is available in practically any RAL colour, with the exception of special-effect colours. WeTraffic 493 is divided into different price groups (see overview table by RAL colours in our price list).



Delivery time for colours: 5 - 10 working days

CATALYST DOSAGE

WeTraffic 493 * = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	3%	3%	2%	2%	1.5%	1.5%	1.5%	1%	1%	-	-	-

APPLICATION TIMES

WeTraffic 493	at 20 °C; 1.5 % Cat.
Pot life	approx. 12 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 45 Min.
Fully cured	approx. 2 H

APPLICATION TEMPERATURES

WeTraffic 493	Temperature range in °C
Air	-10 to +35
Substrate*	-5 to +40
Material	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

WETRAFFIC 493

PROJECTS



AREAS OF APPLICATION

- + Traffic roundabouts
- + Motorway slip roads
- + In front of pedestrian crossings
- + Dangerous stretches of road



INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

WETRAFFIC 495 RESIST

CHEMICAL RESISTANT ROLL COATING

PROPERTIES

- ✓ Highly abrasion resistant
- ✓ Highly slip-resistant > SRT 45
- ✓ Permanently weather resistant (UV, hydrolysis, alkali resistant)
- ✓ Chloride-resistant
- ✓ Resistant to frost and de-icing salt
- ✓ Highly resistant to chemicals, e.g. petrol
- ✓ Pattern and colour design possible



APPLICATION

WeTraffic 495 Resist is a bauxite pre-filled, highly chemical, wear and petrol resistant utility layer within the WestWood range of surface protection systems. WeTraffic 495 Resist is specifically designed for parking areas, car park traffic areas and petrol stations.

SUBSTRATES

Asphalt (can be applied to asphalt without a primer), concrete and cementitious substrates (with primer)



We advise against applying the product to fresh asphalt less than 90 days old.

TOOLS

With rubber scraper (40 cm wide) and structure roller

PACK SIZE

Summer
WeTraffic 495
Catalyst 15 kg
3 x 100 g

Winter
WeTraffic 495
Catalyst 15 kg
6 x 100 g

APPROX. CONS.

Smooth approx. 1.8 kg / m²

TECHNICAL DATA

Density approx. 1.87 g / cm³

PRODUCT

Description	Colour	Container size	Containers / pallet
WeTraffic 495	*RAL 7011, 7012, 7016, 7022, 7043, 9017	15 kg	45 Containers

*Delivery time for colours: 5 -10 working days

CATALYST DOSAGE

WeTraffic 495 * = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	-	4%	4%	3%	2%	2%	2%	1%	1%	1%	-	-

APPLICATION TIMES

WeTraffic 495	at 20 °C; 2 % Cat.
Pot life	approx. 12 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 45 Min.
Fully cured	approx. 2 H

APPLICATION TEMPERATURES

WeTraffic 495	Temperature range in °C
Air	-5 to +42
Substrate*	+3 to +42
Material	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

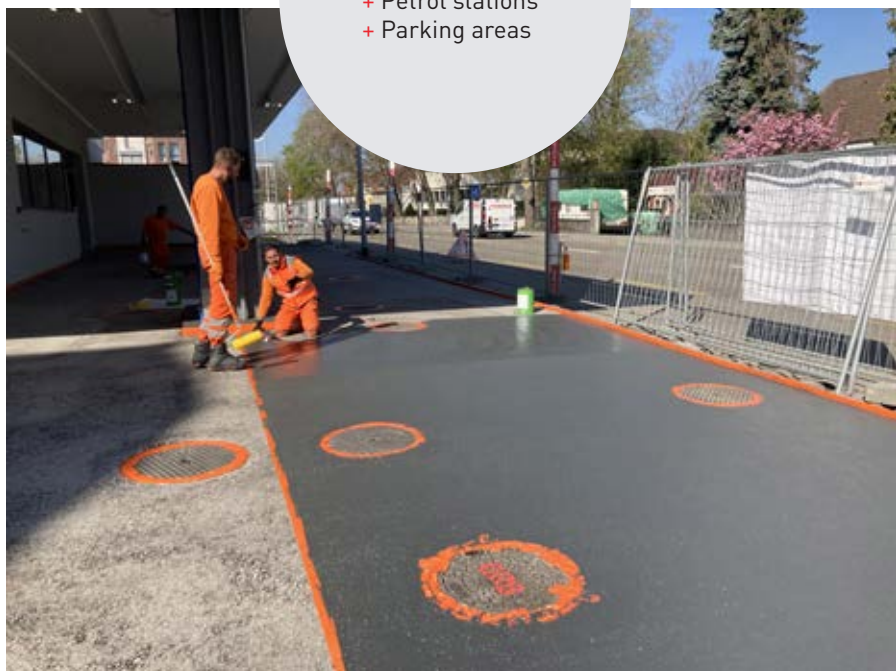
WETRAFFIC 495 RESIST

PROJECTS



AREAS OF APPLICATION

- + Petrol stations
- + Parking areas



INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

WETRAFFIC 496 / BX

EASY CLEAN ROLLER-APPLIED COATING



PROPERTIES

- ✓ Abrasion-resistant
- ✓ Skid-resistant
- ✓ Easy to clean
- ✓ Road grip variable by adding 15 % Bauxite 0,5 - 1,0 mm
- ✓ Long-term weather resistance (UV-, hydrolysis-, alkali-resistant)
- ✓ Any RAL colour
- ✓ Samples and colour enhancement possible
- ✓ Easy and rapid application
- ✓ Rapid curing
- ✓ Solvent-free



APPLICATION

WeTraffic 496 is designed as a versatile PMMA-based surfacing for bituminous and mineral substrates. Its innovative formulation makes WeTraffic 496 particularly easy to clean. WeTraffic 496 is a single-layer, abrasion resistant coating that was developed specifically for areas subjected to mechanical wear. It can be applied to asphalt substrates without a primer. The product can be applied in any colour.

SUBSTRATES

Asphalt (can be applied to asphalt without primer), concrete and cementitious substrates (with primer)



We advise against applying the product to fresh asphalt less than 90 days old.

PACK SIZE

WeTraffic 496 15 kg
Catalyst 3 x 100 g

APPROX. CONS.

WeTraffic 496 (smooth / unfilled)
approx. 1.30 kg / m² (approx. R10 – R11 / SRT < 45)

WeTraffic 496 BX (already filled with 20% bauxite 0.5 - 1.0 mm)
approx. 1.80 kg / m² (approx. R12 - R13 / SRT > 45)

TECHNICAL DATA

Density approx. 1.40 g / cm³
(± 0.1 g / cm³)

TOOLS

Smoothing trowel, finished with textured roller

PRODUCT

Description	Colour	Container size	Containers / pallet
WeTraffic 496	*	15 kg	45 Containers
WeTraffic 496 BX	*	15 kg (already filled with 20% bauxite 0.5 - 1.0 mm)	45 Containers

*COLOURS IN ACCORDANCE WITH RAL

WeTraffic 496 is available in practically any RAL colour, with the exception of special-effect colours. WeTraffic 496 is divided into different price groups (see overview table by RAL colours in our price list). Delivery time for colours: 5 - 10 working days



CATALYST DOSAGE

WeTraffic 496 * = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	3%	3%	2%	2%	1,5%	1,5%	1,5%	1%	1%	1%	-	-

APPLICATION TIMES

WeTraffic 496	at 20 °C; 1,5 % Cat.
Pot life	approx. 12 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 45 Min.
Fully cured	approx. 2 H

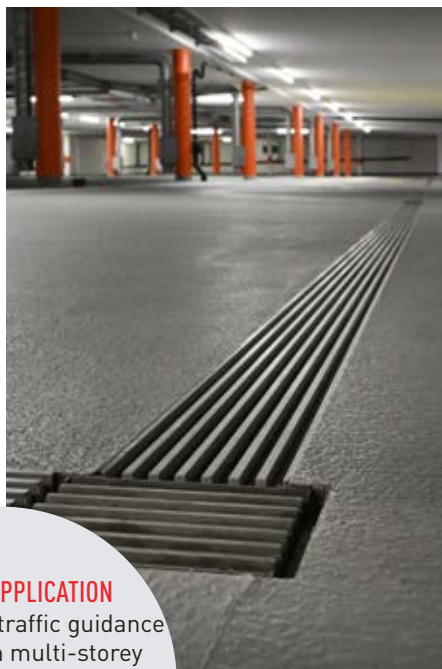
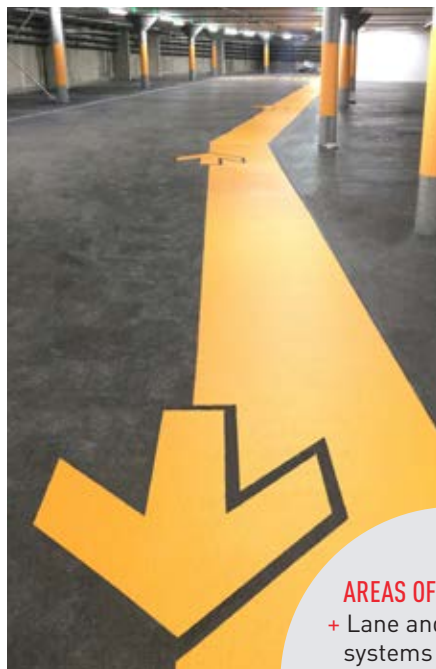
APPLICATION TEMPERATURES

WeTraffic 496	Temperature range in °C
Air	-10 to +35
Substrate*	-5 to +40
Material	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

WETRAFFIC 496 / BX

PROJECTS



AREAS OF APPLICATION

- + Lane and traffic guidance systems in multi-storey car parks
- + Industrial units
- + Warehouses
- + Parking bays



INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

WETRAFFIC 497

ROLLER-APPLIED MARKING



PROPERTIES

- ✓ Maximum abrasion resistance by adding a range of aggregates
- ✓ Maximum anti-skid properties
- ✓ Test certificate acc. to DIN EN 1436:2009 "Road marking materials – Road marking performance for road users"
- ✓ Long-term weather resistance
- ✓ UV-, hydrolysis- and alkali-resistant
- ✓ Chloride-resistant
- ✓ Easy and fast application
- ✓ Fast-curing



APPLICATION

WeTraffic is used as a type II road marking system on public roads. Among other things, the system is suitable for marking pedestrian (zebra) crossings.

SUBSTRATES

Asphalt (can be applied to asphalt without a primer), concrete and cementitious substrates (with primer)



We advise against applying the product to fresh asphalt less than 90 days old.

PACK SIZE

WeTraffic 497 15 kg
Catalyst 3 x 100 g

APPROX. CONS.

Smooth: approx. 3.00 - 3.50 kg / m²
Reflective beads:
Sovitec, Echostar 30 BCP (without grip agent) 300 g/m²

TECHNICAL DATA

Density approx. 1.75 g / cm³

TOOLS

Textured roller or smoothing trowel

PRODUCT

Description	Colour	Container size	Containers / pallet
WeTraffic 497	Traffic yellow [RAL 1023]	15 kg	45 Containers
WeTraffic 497	White	15 kg	45 Containers

CATALYST DOSAGE

WeTraffic 497 * = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	3%	3%	2%	2%	1,5%	1,5%	1,5%	1%	1%	1%	-	-

APPLICATION TIMES

WeTraffic 497	at 20 °C; 1,5 % Cat.
Pot life	approx. 12 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 45 Min.
Fully cured	approx. 2 H

APPLICATION TEMPERATURES

WeTraffic 497	Temperature range in °C
Air	-10 to +35
Substrate*	-5 to +40
Material	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

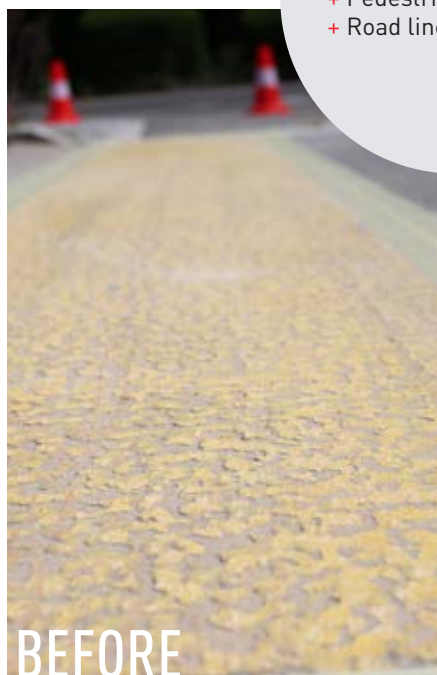
WETRAFFIC 497

PROJECTS



AREAS OF APPLICATION

- + Pedestrian crossings
- + Road lines



BEFORE



AFTER

INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

WETRAFFIC 694

FLEXIBILISED BASE RESIN

PROPERTIES

- ✓ Very good adhesion to mastic asphalt substrates
 - ✓ Easy and fast application
 - ✓ Rapid curing, walkable/overlayable after approx. 30 minutes
 - ✓ Rainproof after 30 minutes
 - ✓ Solvent-free
- ✓ Hydrolysis- and alkali-resistant
 - ✓ Reliable application, even at cool temperatures
 - ✓ Ideal as primer and scratch coat on mastic asphalt surfaces



APPLICATION

WeTraffic 694 is a fast-curing, semi-elastic, transparent resin that is used as a binder / topping layer for various aggregates (scratch coat & mortar).

SUBSTRATES

Asphalt (can be applied to asphalt without primer), concrete and cementitious substrates (with primer)

TOOLS

Please contact our technical advisory service

PACK SIZE

WeTraffic 694	10 kg / 190 kg / 900 kg
Catalyst	2 x 100 g / as applicable

APPROX. CONS.

Mastic asphalt, shot-blasted	
Unfilled	0.50 – 0.60 kg / m ²
1:1.5 filled with quartz sand	0.70 – 0.80 kg / m ² (resin)

TECHNICAL DATA

Density	approx. 0.98 g / cm ³
---------	----------------------------------

PRODUCT

Description	Colour	Container size	Containers / pallet
WeTraffic 694	Unpigmented	10 kg	45 Containers
WeTraffic 694	Unpigmented	190 kg	4 Drums
WeTraffic 694	Unpigmented	900 kg	1 Plastic-IBC

CATALYST DOSAGE

WeTraffic 694	* = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)													
1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50	
2 *	-	-	6%	5%	4%	4%	3%	2%	2%	1,5%	-	-	-	

APPLICATION TIMES

WeTraffic 694	at 20 °C; 2 % Cat.
Pot life	approx. 12 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 45 Min.
Fully cured	approx. 2 H

APPLICATION TEMPERATURES

WeTraffic 694	Temperature range in °C
Air	+3 to +30
Substrate*	+3 to +35
Material	+10 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.



SURFACE REPAIRS

WeTr  ffic

INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

WETRAFFIC 892

REPAIR MORTAR, COARSE

PROPERTIES

- ✓ Easy to apply
- ✓ Can be applied even at sub-zero temperatures
- ✓ Fast-curing
- ✓ Thermoplastic behaviour
- ✓ Stable under pressure
- ✓ Abrasion-resistant
- ✓ Layer thickness of 5 - 1 cm
- ✓ Impermeable to water (if properly compacted between applications)
- ✓ Resistant to frost and de-icing salts
- ✓ Largely acid-resistant, resistant to alkali-, solutions and diesel



APPLICATION

Surfacing replacement and repair mortar for mineral and bituminous substrates.

PACK SIZE

WeTraffic 892 (resin)	2 kg
WeTraffic 892 (filler)	18 kg
Catalyst	1 x 100 g

SUBSTRATES

Asphalt (can be applied to asphalt without a primer), concrete and cementitious substrates (with primer)

APPROX. CONS.

2.20 kg / m ² , per mm layer thickness	
Minimum layer thickness	5 mm
Maximum layer thickness	5 cm / coat

TOOLS

Smoothing trowel

TECHNICAL DATA

Density	
WeTraffic 892	2.19 g / cm ³
WeTraffic 892 (resin)	0.99 g / cm ³
WeTraffic 892 (filler)	2.61 g / cm ³

PRODUCT

Description	Colour	Container size	Containers / pallet
WeTraffic 892 (resin)	Black (RAL 9004)	2 kg	24 Containers
WeTraffic 892 (filler)		18 kg	
		20 kg (Set)	

APPLICATION TIMES

WeTraffic 892	at 20 °C; 1,5 % Cat.
Pot life	approx. 12 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 1 H
Fully cured	approx. 2 H

APPLICATION TEMPERATURES

WeTraffic 892	Temperature range in °C
Air	-5 to +35
Substrate*	+3 to +50
Material	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

WETRAFFIC 894

REPAIR MORTAR, FINE

PROPERTIES

- ✓ Easy to apply
- ✓ Can be applied even at sub-zero temperatures
- ✓ Fast-curing thermoplastic behaviour
- ✓ Stable under pressure
- ✓ Abrasion-resistant
- ✓ Layer thickness of 1.5 - 0 cm
- ✓ Impermeable to water (subject to correct intermediate compaction)
- ✓ Resistant to frost and de-icing salts
- ✓ Largely acid-resistant, resistant to alkali solutions and diesel



APPLICATION

WeTraffic 894 is used as a fine mortar (can be skimmed to zero thickness). Application as reprofiling (repairing and levelling) mortar under WestWood products, as a replacement for mastic asphalt or asphalt concrete.

SUBSTRATES

Asphalt (can be applied to asphalt without primer), concrete and cementitious substrates (with primer)

TOOLS

Smoothing trowel

PACK SIZE

WeTraffic 894 15 kg
Catalyst 2 x 100 g

APPROX. CONS.

1.60 kg / m², per mm layer thickness
Maximum layer thickness 1.5 cm / coat

TECHNICAL DATA

Density approx. 1.60 g / cm³

PRODUCT

Description	Colour	Container size	Containers / pallet
WeTraffic 894	Traffic grey (RAL 7043)	15 kg	45 Containers

CATALYST DOSAGE

WeTraffic 894 * = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	3%	3%	2%	2%	1,5%	1,5%	1,5%	1%	1%	1%	-	-

APPLICATION TIMES

WeTraffic 894	at 20 °C; 1,5 % Cat.
Pot life	approx. 12 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 1 H
Fully cured	approx. 3 H

APPLICATION TEMPERATURES

WeTraffic 894	Temperature range in °C
Air	-5 to +35
Substrate*	+3 to +50
Material	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

WECRYL 885

CONCRETE REPAIR MORTAR, HIGH-STRENGTH

PROPERTIES

- ☒

Easy to apply
- ☒

Can be applied even at sub-zero temperatures
- ☒

Fast-curing
- ☒

High compressive strength > 85 MPa
- ☒

Abrasion-resistant
- ☒

Watertight [subject to correct intermediate compaction]

☒

Resistant to frost and de-icing salts

☒

Largely resistant to acids, alkali solutions and diesel

☒

UV-, hydrolysis- and alkali-resistant

☒

Solvent-free

APPLICATION

Wecryl 885 is a two-component resin and is used as a concrete substitute or concrete repair mortar for engineering structures.

SUBSTRATES

All WestWood primers

TOOLS

Smoothing trowel

PACK SIZE

Wecryl 885 (resin)	2 kg
Wecryl 885 (filler)	24 kg
Catalyst	1 x 100 g

APPROX. CONS.

Approx. 2.20 kg/m ² per mm layer thickness	
Minimum layer thickness	5 mm
Maximum layer thickness	5 cm

TECHNICAL DATA

Density	approx. 2,20 g/cm ³
---------	--------------------------------

PRODUCT			
Description	Colour	Container size	Containers/Palette
WeTraffic 885 (resin)	RAL 7042	2 kg	12 Containers
WeTraffic 885 (filler)		24 kg	
		26 kg (Set)	

APPLICATION TIMES	
Wecryl 885	at 20 °C; 2 % Cat.
Pot life	approx. 12 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 1 H
Fully cured	approx. 3 H

APPLICATION TEMPERATURES	
Wecryl 885	Temperature range in °C
Air	-5 to +35
Substrate*	+3 to +40
Material	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.



ANTI-SKID COATING FOR STEEL ROAD PLATES

WeTr  ffic

INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

STEEL PLATE COATING

The highly skid-resistant coating products (SRT > 65) manufactured by WestWood allow surfacing with high mechanical resistance to be applied in just a few steps. With rapid-curing surfacing resins, steel road plates can be coated and be operational within three hours, providing immediate skid resistance for all road users. This can also be done directly on the construction site. It also means that road plates can be recoated quite easily. The coating can be applied in practically any RAL shade.

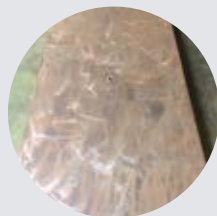
GRIP TESTED IN ACCORDANCE WITH SWISS STANDARDS

The use of steel road plates with improved grip is already specified by most road owners. The steel road plates (trench covers) should have a skid-resistant coating on the exposed face (Swiss standard [13] VSS SN 640 511b). WestWood products have been tested by the Viatic test institute in accordance with SN 640 512-4 and meet the specified requirements for FGSO markings as set out in Swiss standard SN 640 214.

1

DEGREASE, ABRASE, DEGREASE

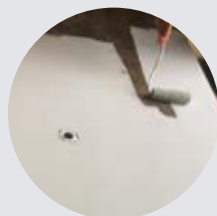
A well-prepared substrate plays a key role and forms the basis for the quality and serviceability of a liquid-resin waterproofing system. That is why the steel plate is degreased before and after abrasion. WestWood Cleaning Agent is a suitable product for this, and an acetone-free version is also available. It is vital that the steel plate is abraded to ensure a good and lasting bond between the steel and the PMMA resin. A second degreasing operation is necessary to remove any remaining residue and abrasive dust.



2

APPLICATION OF PRIMER

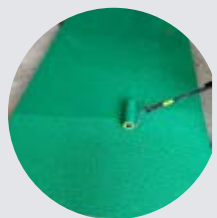
WMP 113 metal primer can be used to coat the surface rapidly and with full coverage. The primer takes about 1 - 2 hours to cure, depending on the ambient temperature. Please allow sufficient flash-off time for the 1C primer.



3

APPLICATION OF THE WEAR LAYER (TEXTURED)

Once the primer has dried, WeTraffic 492 textured surfacing is applied and spread evenly. The area is then finished with a textured foam roller to achieve the desired grip (SRT > 65). The steel plate is ready for full pedestrian and vehicle use after approx. 30 minutes.



PRODUCTS

Product	Approx. cons.	Details
WMP 113 Metal primer	0.20 kg / m ²	Page 75
WeTraffic 492	approx. 3.50 kg / m ²	Page 42
WestWood Cleaning Agent	As required	Page 80
Textured roller	As required	Page 80

STEEL PLATE COATING

INFO

AREAS OF
APPLICATION

PROJECTS

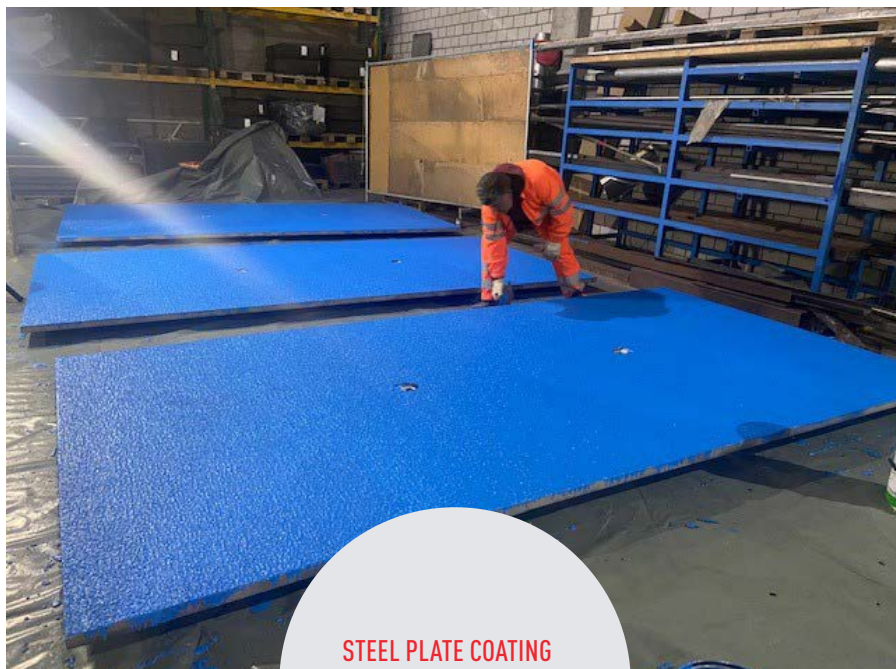
SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

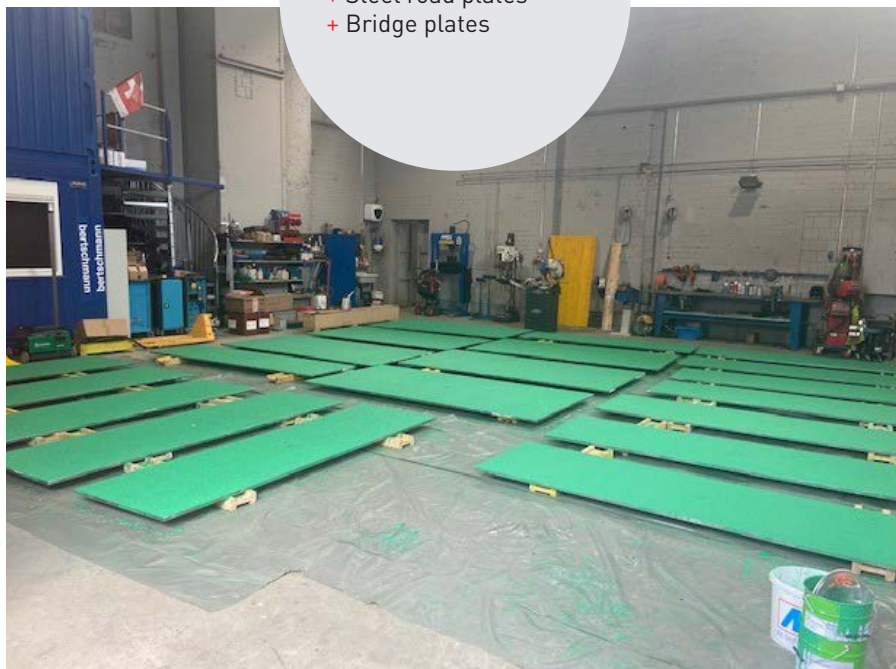
STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

STEEL PLATE COATING

- + Steel road plates
- + Bridge plates



PARKING

VILLARS-SUR-GLÂNE REFERENCE



BRIDGE

WECRYL 126 A

BRIDGE DECK SEALING SYSTEM 1ST LAYER



PROPERTIES

- ✓ Very good pore closure for cementitious substrates, even at moderately rising temperatures
- ✓ Rainproof after 30 minutes
- ✓ Reliable installation even at cooler temperatures (as low as +3 °C)
- ✓ Fast-curing
- ✓ Hydrolysis- and alkali-resistant
- ✓ Solvent-free



APPLICATION

Wecryl 126 A is used as the first layer in the Wecryl Bridge Sealer system, which meets the requirements of TL/TP-BEL-EP of ZTV-ING, Part 6 Bridge Pavements. Together with Wecryl 127 sealer (second layer), the system is suitable for accepting polymer-bitumen waterproofing membranes (PBD) under asphalt pavements.

PACK SIZE

Summer
Wecryl 126 A 25 kg
Catalyst 7 x 100 g

Winter
Wecryl 126 A 25 kg
Catalyst 14 x 100 g

SUBSTRATES

Concrete

APPROX. CONS.

As primer
Fine-sandy (per coat) 0.40 - 0.60 kg / m²
Rough (per coat) 0.60 - 0.80 kg / m²

PROCESSING

- Spread over surface with rubber squeegee
- Finish with surfacing roller

TECHNICAL DATA

Density 0.97 g / cm³
Viscosity at 23 °C approx. 5-15 mPas

TOOLS

With rubber squeegee, surfacing roller or flat brush

PRODUCT

Description	Container size	Containers / pallet
Wecryl 126 A	25 kg	14 Containers

CATALYST DOSAGE

Wecryl 126 A * = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	-	8%	7%	5%	4%	3%	2%	1%	-	-	-	-

APPLICATION TIMES

Wecryl 126 A	at 20 °C; 3 % Cat.
Pot life	approx. 10 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 45 Min.
Fully cured	approx. 2 H

APPLICATION TEMPERATURES

Wecryl 126 A	Temperature range in °C
Air	+3 to +30
Substrate*	+3 to +30
Material	+10 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

WECRYL 127

BRIDGE DECK SEALING SYSTEM 2ND LAYER



PROPERTIES

- ✓ Very good grain top adhesion on sanded Wecryl 126 A
- ✓ Rainproof after 30 min
- ✓ Torchable after 2 hours (+20 °C)
- ✓ Reliable application even at cooler temperatures (as low as +3 °C)
- ✓ Very good fillability for surfacers
- ✓ Rapid curing
- ✓ Hydrolysis- and alkali resistant
- ✓ Solvent-free
- ✓ Suitable for use as a mortar



APPLICATION

Wecryl 127 is a fast-curing, low-viscosity sealer that specifically meets the requirements and guidelines of the ZTV-ING, Part 6. TL/TP-BEL-EP of ZTV-ING, Part 6 Bridge Pavements and was developed for this purpose. Wecryl 127 is used for the production of sealer and scratch coat on Wecryl 126 A.

SUBSTRATES

Topped Wecryl 126 A

PROCESSING

Apply with a rubber squeegee

TOOLS

Rubber squeegee, surfacing roller, flat brush and smoothing trowel

PACK SIZE

Summer

Wecryl 127 25 kg
Catalyst 7 x 100 g

Winter

Wecryl 127 25 kg
Catalyst 10 x 100 g

APPROX. CONS.

As sealer approx. 0.60 - 0.80 kg / m²

As scratch coat/surfacer:

Can be filled with quartz sand 0.10 - 0.60 mm up to mixing ratio 1:1.5 (resin/sand) or can be filled with Wecryl 333 S N up to mixing ratio 1:1.5 - 2.5 (resin/sand)

As mortar:

Can be filled with quartz sand 0.40 - 0.80 mm or with quartz sand 0.70 - 1.20 mm up to mixing ratio 1:4.5 (resin/sand)

Technical data

Density 1.04 g / cm³
Viscosity at 23 °C approx. 800 mPas

PRODUCT

Description	Container size	Containers / pallet
Wecryl 127	25 kg	14 Containers

CATALYST DOSAGE

Wecryl 127 * = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	-	6%	6%	4%	4%	3%	2%	1%	1%	-	-	-

APPLICATION TIMES

Wecryl 127	at 20 °C; 3 % Cat.
Pot life	approx. 10 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 45 Min.
Fully cured	approx. 2 H

APPLICATION TEMPERATURES

Wecryl 127	Temperature range in °C
Air	+3 to +30
Substrate*	+3 to +35
Material	+10 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

PROCESS

BRIDGE DECK SEALING SYSTEM

Infrastructure constructions, such as bridges, are subject to extremely heavy wear due to increasing traffic volume and in particular to the use of de-icing salts. To ensure the long-term serviceability of concrete bridges,

the decking must be protected by a waterproofing system that is resistant to ageing.

This waterproofing system, generally consisting of polymer-bitumen membranes, requires a bonding agent for fixing it to the substrate, and the bonding agent must be capable of sealing the substrate and consequently acting as a vapour barrier. This makes it practically vapour-tight as diffusion processes.

Furthermore the pores must be closed because, under the influence of heat (during the torch-on process for the polymer-bitumen sheets), air in the pores can lead to major local increases in volume, which in turn causes bubbles to form in the sealer.

We have grappled with this problem and developed a highly reactive PMMA system as a bridge deck sealer. Progress of the work can be accurately controlled, since the PMMA-specific curing time is approx. 30 minutes. The PBD waterproofing membrane can be torched on after an interval of approx. 2 hours. The bridge deck sealer system is an innovation ensuring the reliable application of bridge deck seals.

1

SUBSTRATE ASSESSMENT

In accordance with SN 640 450



2

SUBSTRATE PRE-TREATMENT

Shot-blasting of the surface, followed by measurement of roughness height



3

1ST LAYER | PORE CLOSURE WITH WECRYL 126 A

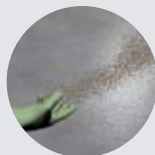
At least 400 g / m² of the mixed Wecryl 126 A is poured onto the surface to be coated and then spread over the substrate with a rubber squeegee. A surfacing roller is then used for an even finish. Puddling must be avoided. Because it is rapidly absorbed by the substrate, another coat may be applied wet in wet during the pot life of the product.



4

TOPPING

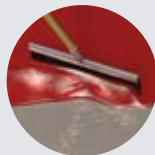
An even amount of quartz sand (0.4 - 0.8 mm) is broadcast grain to grain onto the first layer of Wecryl 126 A. Once the primer has hardened, the area is brushed or vacuumed to remove any quartz sand that has not been incorporated.



5

2ND LAYER | WECRYL 127 SEALER

After an interval of approx. 30 - 40 minutes Wecryl 127 can be applied to the primed area as a sealer. At least 600 g / m² must be spread over the area using a rubber squeegee. The surface of this layer is not topped with quartz sand.



BRIDGE THAYNGEN

REFERENCE



INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

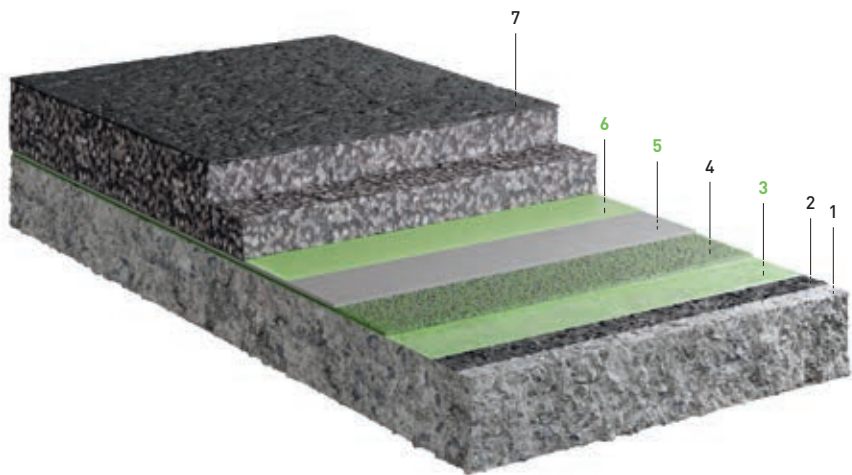
SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

WATERPROOFING UNDER ASPHALT



REACTION TIMES AND CONSUMPTION QUANTITIES				
Nr.	Product	Reaction time (approx. values at 20 °C)		Minimum consumption
		Rainproof	Reworkable	
1	Substrate, e.g. concrete			
2	Option: Wecryl 821 / 126 A	30 min	45 min	0,5-1,2 kg/m²
3	Wecryl 130	30 min	45 min	0,6-1,1 kg/m²
4	Option: Wecryl 131	30 min	45 min	Depending on the roughness depth
5	Wecryl 240	30 min	1 H	2,4 kg/m²
6	Wecryl 890 Tack resin	30 min	45 min	0,4 kg/m²

The indicated consumption quantities refer to smooth, even substrates. For rougher surfaces, corresponding additional consumption must be expected.



THE NEW SCALE

FOR BRIDGE WATERPROOFING | UNITED ETAG 033 AND ZTV-ING, PART 6, SECTION 3

The new Wecryl waterproofing system under asphalt is a highly dynamic crack-bridging waterproofing system based on PMMA resins for bridges. This new and innovative system meets the performance requirements of ETAG 033 (EAD) and ZTV-ING, making it the international and national solution for bridge waterproofing with the highest performance properties. Due to the optimised properties of the waterproofing resin Wecryl 240, all regulated quality standards are exceeded. The waterproofing membrane is formed in a single layer without a fabric insert - the higher-performance waterproofing resin leads to optimised consumption. Beyond the requirements of ETAG 033, the higher requirements for crack bridging capacity according to ZTV-ING, Part 6, Section 3 or TL/TP-BEL-B 3 (version 1995 and draft version 2012) are fulfilled. Furthermore, classes B 4.2 and A5 (-30 °C) according to DIN EN 1062-7 are achieved.

The new Wecryl waterproofing system under asphalt combines the components from the proven systems "Wecryl H PMMA Sealing System" and "Wecryl Sealing System under Mastic asphalt" and thus creates a high-performance system. Wecryl 130 is the optimal primer when reliability and adhesion properties are required between the concrete substrate and the liquid plastic sealant. Wecryl 240 is absolutely low-temperature flexible and highly crack-bridging, even at temperatures as low as -30 °C.

Not only is the bond between the waterproofing and the concrete important, but also the bond between the waterproofing and the wearing layer. Wecryl 890 Tack resin ensures an absolutely secure bond between the two layers. Also developed on the basis of methyl methacrylate, the complete system structure remains in one binder group and creates unique values as a system in terms of adhesion:

✓ **ADHESIVE BOND TO THE SUBSTRATE AND ASPHALT**

✓ **SHEAR STRENGTH**

✓ **CRACK BRIDGING**

ADVANTAGES

- Inspected and tested according to ETAG 033 (EAD)
- Tested and inspected according to ZTV-ING, Part 6, Section 3 "TL/TP-BEL-B 3" - (1995 version and 2012 draft)
- Single-layer, fleece-free liquid waterproofing with optimised consumption [2.4 kg/m²]
- Highly flexible at low temperatures and extremely crack-bridging
- Crack-bridging even at temperatures up to and including -30 °C.
- Static crack bridging > 8.0 mm
- Possible applications on concrete or steel
- No primer required on steel substrates
- Very good tensile bond strength to the substrate (concrete and steel)
- Improved tensile bond strength to mastic asphalt and rolled asphalt
- Can be used on young concrete (> 7d)



WECRYL 130

PRIMER OR SEALER ACCORDING TO ETAG 033 AND TL/TP-BEL-EP



PROPERTIES

- ✓ Increased penetration depth even at low temperatures tested against backward moisture penetration
- ✓ Fast curing
- ✓ Hydrolysis and alkali resistant
- ✓ Improved heat resistance (welding track, Mastic asphalt)
- ✓ Fills pores and voids
- ✓ Solvent-free

- ✓ Strengthening surfaces of inferior concrete qualities
- ✓ Can be used at low temperatures 0 °C applicable



APPLICATION

The application area consists of new, renewed or partially renewed pavements to be partially renewed on concrete roadway panels of bridges with a sealing layer of a polymer bitumen weldable membrane. Wecryl 130 is approved and tested according to TL/TP-BEL-EP and H PMMA as well as the compatibility test according to TL/TP-BEL-B, part 1 and can thus be used on bridge decks on concrete with a sealing layer of a polymer bitumen polymer bitumen welding membrane.

SUBSTRATES

Concrete

TOOLS

Rubber squeegee (pay attention to sufficient application quantity!) and then with the fur roller

PACK SIZE

Summer
Wecryl 130 25 kg
Catalyst 8 x 100 g

Winter
Wecryl 130 25 kg
Catalyst 16 x 100 g

APPROX. CONS.

1-layer 0.600 kg / m²
2-layers 1.200 kg / m²

TECHNICAL DATA

Density 1.0 g / cm³

PRODUCT

Description	Colour	Container size	Containers / pallet
Wecryl 130	Green	25 kg	14 Containers

CATALYST DOSAGE

Wecryl 130 * = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	-	6%	4%	3%	3%	2%	2%	1%	1%	-	-	-

APPLICATION TIMES

Wecryl 130	at 20 °C; 1.5 % Cat.
Pot life	approx. 10 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 60 Min.
Fully cured	approx. 3 H

APPLICATION TEMPERATURES

Wecryl 130	Temperature range in °C
Air	0 to +35
Substrate*	0 to +30
Material	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

WECRYL 240

FLEXIBLE SEALING ACCORDING TO ETAG 033 AND TL/TP-BEL-B 3 (1995)



PROPERTIES

- ✓ Highly flexible and extremely crack-bridging even at temperatures up to and including -20 °C (100,000 cycles). As well as tested according to crack bridging class B 4.2 at -30° C]
- ✓ Tested according to TL/TP-BEL-B 3 (1995) as a sealing layer for the production of bridge decks on concrete.
- ✓ Fleece-free waterproofing resin
- ✓ Static crack bridging after loading > 11.6 mm
- ✓ very good adhesion to the mastic asphalt and thus good shear strength
- ✓ full-surface adhesion, no backward movement



APPLICATION

Wecryl 240 is a high-quality and highly flexible PMMA waterproofing resin, which is used as a sealing layer with increased crack bridging under Mastic asphalt in accordance with ZTV-ING Part 6 Section 3 (TL/TP-BEL-B 3, 1995). It can also be used as a sealing layer under Mastic asphalt in accordance with DIN 18532-6. The liquid processing enables the creation of seamless surface waterproofing without fleece embedding. Wecryl 240 is a system component of the Wecryl waterproofing system under Mastic asphalt.

PACK SIZE

Summer
Wecryl 240
Catalyst 25 kg
5 x 100 g

Winter
Wecryl 240
Catalyst 25 kg
10 x 100 g

APPROX. CONS.

Waterproofing without fleece approx. 2.40 kg / m²

SUBSTRATES

All WestWood primers

TOOLS

Sealing without fleece: Toothed rubber squeegee (10 mm) and steel spiked roller

TECHNICAL DATA

Density 1.12 g / cm³

PRODUCT

Description	Colour	Container size	Containers / pallet
Wecryl 240	RAL 7044	25 kg	14 Containers

CATALYST DOSAGE

Wecryl 240 * = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	-	6%	6%	4%	4%	2%	2%	2%	2%	1%	-	-

APPLICATION TIMES

Wecryl 240	at 20 °C; 2 % Cat.
Pot life	approx. 15 Min.
Rainproof	approx. 45 Min.
Walkable/overlayable	approx. 1.5 H
Fully cured	approx. 3 H

APPLICATION TEMPERATURES

Wecryl 240	Temperature range in °C
Air	-5 to +35
Substrate*	+3 to +40
Material	+5 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

WECRYL 890

TACK RESIN UNDER MASTIC ASPHALT



PROPERTIES

- ✓ Increases the shear strength between Wecryl waterproofing and Mastic asphalt
- ✓ Protects the waterproofing from construction site traffic
- ✓ Easy and fast processing
- ✓ Fast curing



APPLICATION

Bridge decks on concrete with a sealing layer of liquid plastic in accordance with ZTV-ING TL/TP-*BEL-B 3 (1995 version) as well as waterproofing of traffic areas made of concrete in accordance with DIN 18532-6. Furthermore, it can be used in accordance with ETAG 033. Wecryl 890 is an adhesion promoter that increases the bonding behaviour between the PMMA waterproofing and the wearing course of Mastic asphalt.

SUBSTRATES

Wecryl 240

TOOLS

Tooth rubber squeegee [3 mm] & short pile roller

PACK SIZE

Summer
Wecryl 890
Catalyst

25 kg
8 x 100 g

Winter
Wecryl 890
Catalyst

25 kg
16 x 100 g

APPROX. CONS.

Wecryl 890

approx. 0.40 kg/m²

TECHNICAL DATA

Density

0.96 g / cm³

PRODUCT

Description	Colour	Container size	Containers / pallet
Wecryl 890	Green	25 kg	14 Containers

CATALYST DOSAGE

Wecryl 890

* = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	-	4%	4%	4%	2%	2%	2%	1%	1%	-	-	-

APPLICATION TIMES

Wecryl 890	at 20 °C
Trocknungszeit	approx. 60 Min.
Rainproof	approx. 60 Min.
Walkable/overlayable	approx. 65 Min.

APPLICATION TEMPERATURES

Wecryl 890	Temperature range in °C
Air	+3 to +35
Substrate*	+3 to +40
Material	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.



BRIDGE WITTENBACH



SYSTEM ACCESSORIES

WECRYL 176

PRIMER FOR ABSORBENT SUBSTRATES

PROPERTIES

- ✓ Very high adhesive strength
- ✓ Medium viscosity
- ✓ Rigid primer
- ✓ Highly suitable for scratch coats (surfacing)
- ✓ Rapid curing
- ✓ Hydrolysis- and alkali-resistant
- ✓ Solvent-free



Not suitable for use as mortar



APPLICATION

Wecryl 176 is used for the pre-treatment (priming and sealing) of slightly absorbent mineral and wooden substrates (concrete, screed, wood, etc.) for subsequent WestWood waterproofing/coating products. /coating products.

SUBSTRATES

Concrete, cement screed, sand-lime block, clinker, brick, base-coat render

TOOLS

Surfacing roller or brush

PACK SIZE

Summer

Wecryl 176 10 kg
Catalyst 3 x 100 g

Winter

Wecryl 176 10 kg
Catalyst 6 x 100 g

APPROX. CONS.

As primer

Smooth 0.40 kg / m²
Fine-sandy 0.50 kg / m²
Rough 0.80 kg / m²

As scratch coat/surfacer

Can be filled with quartz sand 0.10-0.60 mm up to mixing ratio 1:1 (resin/sand) or can be filled with Wecryl 333 S N up to mixing ratio 1:1-1.5 (resin/sand)

TECHNICAL DATA

Density 1.06 g / cm³
Viscosity at 23 °C approx. 500 mPas

PRODUCT

Description	Container size	Containers / pallet
Wecryl 176	10 kg	45 Containers

CATALYST DOSAGE

Wecryl 176

* = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	-	6%	6%	4%	3%	3%	2%	2%	1%	1%	1%	1%

APPLICATION TIMES

Wecryl 176	at 20 °C; 3 % Cat.
Pot life	approx. 10 Min.
Rainproof	approx. 30 Min.
Walkable/overlayable	approx. 30 Min.
Fully cured	approx. 2 H

APPLICATION TEMPERATURES

Wecryl 176	Temperature range in °C
Air	+3 to +35
Substrate*	+3 to +50
Material	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

WMP 113

1C ACRYLATE-BASED METAL PRIMER

PROPERTIES

- ✓ Very good adhesion to all metals
- ✓ Easy application
- ✓ Very good water resistance



APPLICATION

Primer for all metal interfaces

PACK SIZE

WMP 113 1 kg

SUBSTRATES

Metal

APPROX. CONS.

WMP 113 0.17 - 0.20 kg / m²

TOOLS

Finish roller or brush

TECHNICAL DATA

Density 1.51 g / cm³

INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

PRODUCT

Description	Container size	Containers / pallet
WMP 113	1 kg	207 Containers
WMP 113	10 kg	45 Containers

VOC content of Wmp 113 = 35.9%

VOC emission tax CHF 1.08/kg

DRYING TIME

Temperature	Time
30 °C	mind. 1 H
20 °C	mind. 2 H
10 °C	mind. 3 H
3 °C	mind. 4 H

APPLICATION TEMPERATURES

WMP 113	Temperature range in °C
Air	+3 to +35
Substrate*	+3 to +50
Material	+3 to +30

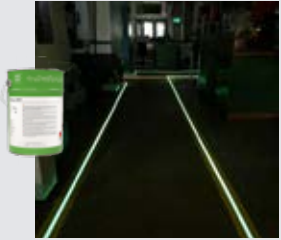
* The substrate temperature must be at least 3 °C above the dew point during application and curing.

WECRYL 481

LUMINESCENT MARKING

PROPERTIES

- ✓ Abrasion-resistant
- ✓ Permanently weather-resistant (UV-, hydrolysis- and alkali-resistant)
- ✓ Chloride-resistant, easy and fast application
- ✓ Rapid curing, solvent-free
- ✓ Wecryl 481: Tested and approved acc. to DIN 67510 part 1 (test report no.: 53508673/1) (for details see data sheet)
- ✓ Resistant to a wide range of chemicals



APPLICATION

Wecryl 481 GlowLine is a photoluminescent, thin-layer marking. Wecryl 481 GlowLine stores the energy from UV radiation, daylight or artificial light and reproduces it as a light source in the dark. The process can be repeated as often as desired. Through the use of highly developed pigments, Wecryl 481 GlowLine fulfills the requirements of DIN 67510 Part 1 of the Class C and can therefore be used as a supplement to existing emergency lighting and safety guidance systems.

SUBSTRATES

- All WestWood primers
- Rolled asphalt and mastic asphalt

TOOLS

Finishing roller (sheepskin roller, minimal shedding)

PACK SIZE

Summer	
Wecryl 481	2 kg
Catalyst	1 x 60 g
Winter	
Wecryl 481	2 kg
Catalyst	1 x 100 g

APPROX. CONS.

Smooth approx. 0.60 kg / m²

TECHNICAL DATA

Density 1.45 g / cm³

PRODUCT

Artikel-Nr.	Colour	Container size	Containers / pallet
Wecryl 481	White yellowish*	2 kg	Without specification

* = Delivery time: 5 - 10 working days

CATALYST DOSAGE

Wecryl 481 * = Substrate temperature in °C; 2 * = Catalyst dosage in % w/w (reference values)

1 *	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
2 *	-	-	3%	3%	3%	2%	2%	2%	1%	1%	-	-	-

APPLICATION TIMES

Wecryl 481	at 20 °C; 2 % Cat.
Pot life	approx. 15 Min.
Rainproof	approx. 45 Min.
Walkable/overlayable	approx. 60 Min.
Fully cured	approx. 3 H

APPLICATION TEMPERATURES

Wecryl 481	Temperature range in °C
Air	-5 to +35
Substrate*	+3 to +35
Material	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

WECRYL 481

LUMINESCENT MARKING



INFO

AREAS OF
APPLICATION

PROJECTS

SUBSTRATE
PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM
ACCESSORIES

WESTWOOD QUARTZ SAND

QUARTZ SAND, FIRE-DRIED

PROPERTIES

- ✓ Low-dust
- ✓ Washed several times
- ✓ Rounded, therefore no abrasive treatment required to smooth the surface
- ✓ Perfect topping for flooring
- ✓ Very pure quartz (SiO₂ content > 98 %)

PROCESSING

Quartz sand is used as a topping, but also for mixing with PMMA resins

APPLICATION

For topping and sanding flooring to create a non-slip finish.

APPROX. CONSUMPTION.

When topping with sand to excess, approx. 3 - 4 kg / m²



PRODUCT

Particle size	Sales unit	Containers / pallet
0.10 - 0.60 mm	25 kg	40 Bags
0.40 - 0.80 mm	25 kg	40 Bags
0.70 - 1.20 mm	25 kg	40 Bags

WECRYL 333 S N (SAND)

FILLER

PROPERTIES

- ✓ Good miscibility
- ✓ Low-dust

APPLICATION

Best filler for scratch coats / surfacers



PRODUCT

Description	Sales unit
Wecryl 333 S N	23 kg

BAUXITE

FILLER

PROPERTIES

- ✓ Good miscibility
- ✓ Low-dust
- ✓ Extremely abrasion-resistant

APPLICATION

Outstanding for creating rough finishes.



PRODUCT

Particle size	Sales unit	Containers / pallet
0.50 - 1.00 mm	25 kg	40 Bags
0.90 - 1.40 mm	25 kg	40 Bags
1.00 - 3.00 mm	25 kg	40 Bags

WEKAT 900 CATALYST

STARTER COMPONENT FOR WESTWOOD PMMA RESINS



PROPERTIES

- ✓ Easily soluble
- ✓ Highly effective

PROCESSING

Can be mixed by machine or by hand

APPLICATION

For all PMMA products

APPROX. CONS.

Depending on the product and temperature



PACK SIZE

0.100 kg in plastic pouch
5 kg in carton, bulk
25 kg in carton, bulk

TECHNICAL DATA

Density 1.23 g / cm³
Apparent density 0.65 g / cm³

PRODUCT

Container size	Verpackung
100 g pouch	Single or in packs of 200 in carton
5 kg carton	Bulk
25 kg carton	Bulk

EXAMPLE: CALCULATION OF AMOUNT OF CATALYST REQUIRED

Resin required	Specification	Calculation	Result
5 kg Resin	2% Catalyst	5 kg : 100 x 2	= 0.100 kg or 100 g
7 kg Resin	3% Catalyst	7 kg : 100 x 3	= 0.210 kg or 210 g

QUANTITY OF RESIN (KILOGRAM)	CATALYST DOSAGE (GRAMS)					
kg	2%	3%	4%	5%	6%	7%
1	20	30	40	50	60	70
2	40	60	80	100	120	140
3	60	90	120	150	180	210
5	100	150	200	250	300	350
10	200	300	400	500	600	700

CLEANING AGENT

ETHYL-ACETATE SOLVENT

PROPERTIES

- ✓ Highly effective
- ✓ Rapid evaporation

APPLICATION

For cleaning / removing residue of WestWood products on tools

PROCESSING

With brush or lint-free cloth



PRODUCT

Description

Canister

Sales unit

10 l

VOC content WestWood Cleaning Agent = 100 %

VOC emission tax CHF 3.00/kg

HARD RUBBER SQUEEGEE

PROPERTIES

- ✓ Extremely stable

APPLICATION

Flooring squeegee incl. rubber blade



PRODUCT

Width

450 mm

Sales unit

1 piece

TEXTURED ROLLERS

FOR TEXTURED AND ROLLED SURFACING

PROPERTIES

- ✓ Textured rollers for textured and rolled surfacing
- ✓ Delivers an even finish

APPLICATION

Highly suitable for finishing WeTraffic products



PRODUCT

Width

10 cm

25 cm

50 cm

Sales unit

10 pieces

10 pieces

1 piece

FLOORING SQUEEGEE

FOR RUBBER BLADES

PROPERTIES

- ✓ Replaceable rubber blades

APPLICATION

Flooring squeegee for fitting with rubber blades



INFO

AREAS OF APPLICATION

PROJECTS

SUBSTRATE PREPARATION

PRODUCTS

SURFACE REPAIRS

STEEL PLATE COATING

BRIDGE

SYSTEM ACCESSORIES

PRODUCT

Width

600 mm

Sales unit

1 piece



RUBBER BLADES

FOR FLOORING SQUEEGEE

PROPERTIES

- ✓ 11 mm notch size
- ✓ The smooth rubber blade is ideal for the application of primers on larger areas

APPLICATION

Ideal for the application of fleeceless waterproofing or primer coats and for sealing larger areas



PRODUCT

Width

600 mm, smooth

600 mm, notch size 11 mm

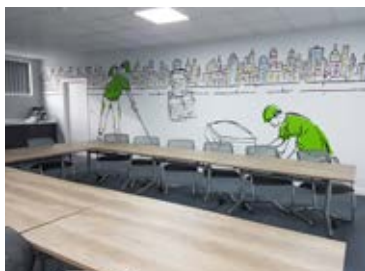
Sales unit

1 piece

1 piece

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Technical enquiries please email:
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