

WeTraffic 492 Textured Surfacing for Coloured Road Surface Markings



Brief description

WeTraffic 492 is a PMMA-based coating (PMMA = polymethyl methacrylate) that was developed specifically for application to public main roads and side streets as well as other traffic zones subject to heavy wear, such as ramps, entrances and exits to multi-storey car parks, etc. The product meets the requirements of Swiss standard SN 640 214 FGSO (coloured road surface markings).

Material

2-component, fast-reactive, flexibilised, pigmented PMMA-based coating filled with bauxite (0.9 - 1.4 mm)

Properties

- Superior abrasion-resistance, PSV of aggregate 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

Areas of application

- Coloured road surface markings on major and minor roads
- Cycling paths with more stringent requirements
- Ramps
- Entrances and exits of multi-storey car parks

Pack size



Summer:		Winter:	
15.00 kg	WeTraffic 492	15.00 kg	WeTraffic 492
<u>0.30 kg</u>	Wekat 900	<u>0.50 kg</u>	Wekat 900
15.30 kg		15.50 kg	

Colours

WeTraffic 492 is available in a range of colours, e.g.:

- RAL 3018 Strawberry red
- RAL 3020 Traffic red
- RAL 7037 Dust grey
- RAL 7030 Stone grey
- Other colours are available on request.

Storage

Store products sealed in their original airtight container and in a cool, dry and frost-free place. The unopened product has a shelf life of at least 6 months after delivery. Direct sunlight on the containers should be avoided, including on site. After removing some of the contents, reseal the containers so they are airtight.

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Application conditions



Temperatures

The product can be applied within the following temperature ranges:

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

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

Moisture

The relative humidity must be ≤ 90 %.

The surface to be coated must be dry and ice-free.

The surface must be protected from moisture until the coating has hardened.

Reaction times and required amounts of catalyst

	WeTraffic 492 (at 20 °C)
Pot life	approx. 12 min
Rainproof	approx. 30 min
Can be walked on/ overcoated	approx. 45 min
Curing time	approx. 2 hours

Higher temperatures or greater proportions of catalyst will shorten reaction times, while lower temperatures and smaller proportions of catalyst will extend reaction times.

The following table indicates the recommended amount of catalyst required to adjust the curing reaction to the temperature.

Product	Substrate temperature in °C; required amounts of Wekat 900 in % w/w (guide)								
	-5	+3	+5	+10	+15	+20	+25	+30	+35
WeTraffic 492	3%	3%	2%	2%	1.5%	1.5%	1.5%	1%	1%

Consumption rates

Substrate

Asphalt, fine
Asphalt, coarse

Consumption

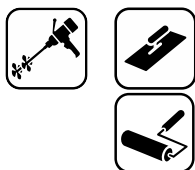
approx. 3.5 - 3.8 kg
approx. 4.0 - 4.5 kg

Technical data

Density:

approx. 1.82 g/cm³

Product application



Application equipment / tools

For mixing the product:

- Mixing tool with twin-paddle stirrer

For applying the product:

- Sheepskin roller
- Smoothing trowel

Surface treatment with:

- Textured roller

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Substrate preparation

The substrate must be suitably prepared so that it is sound, dry and free from loose or adhesion-reducing components.

Concrete:

Wecryl 176 is used as a primer on absorbent substrates, e.g. concrete. For further information please refer to the technical information sheet.

Asphalt:

We advise against applying the product to fresh asphalt less than 90 days old. No primer is required if the product is applied to asphalt older than 90 days.



Mixing

First stir the tub contents thoroughly.

Then add the catalyst while stirring at the slow-speed setting and mix for at least 2 minutes. Make sure that the product on the base and sides of the container is also mixed in. Ideally WeTraffic 492 Textured Coating FGSO should be repotted once and then stirred thoroughly again. At product temperatures < 10 °C the product should be stirred for at least 4 minutes, as the catalyst will take longer to dissolve.

Application

Use a smoothing trowel or rubber squeegee to spread the material evenly and smooth it over, using the particle size as a guide to layer thickness.

For an even surface with a good grip (SRT > 65) the area must be finished with a texturing roller immediately after application.

Cleaning

If work is interrupted or when it is completed, clean the tools thoroughly with WestWood Cleaning Agent within the pot life of the material (approx. 12 minutes). This can be done with a brush. Do not use the tools again until the Cleaning Agent has evaporated fully.

Simply immersing the tools in the Cleaning Agent will not prevent the material from hardening.

Information on safety and risks

Please refer to the safety data sheets for the products used.

General information

The above information, especially information about application of the products, is based on extensive development work as well as many years of experience and is provided to the best of our knowledge.

However, the wide variety of requirements and conditions on site mean that it is necessary for the product to be tested to ensure that it is suitable for the intended purpose. Only the most recent version of the document is valid. We reserve the right to make changes to reflect advances in technology or improvements to our products.

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