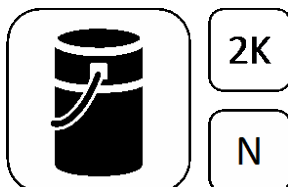


Wecryl 408

Topping sealer, high-performance



Brief description

Wecryl 408 is used as a wearing layer for WestWood systems. It is a high-grade topping sealer that is able to withstand mechanical stresses and chemicals and can be supplied in any colour. Different topping materials can be applied to achieve the desired non-slip properties.

Material

2-component, fast-curing, pigmented PMMA-based (polymethyl methacrylate) sealing resin

Properties and advantages

- Choice of various RAL colours
- Any pattern and colour design is possible (e.g. parking bay markings, lettering)
- Toppings (silicon carbide, sand) can be applied to create the desired non-slip properties
- Abrasion-resistant
- Permanently weather-resistant (UV-, hydrolysis- and alkali-resistant)
- Chloride-resistant
- Easy and fast application
- Fast-curing
- Solvent-free
- Resistant to a large number of chemical

Chemical resistance

Acetone	--	Sea water	++(***)
Formic acid 10 %	+(***)	Sodium chloride solution	++(***)
Ammonia 10 %	+(***)	Caustic soda solution 10 %	+(***)
Petrol	-(**)	Isopropanol 30%	-(*)
Diesel	+(***)	Olive oil	++(***)
Acetic acid 10 %	+(***)	Orange juice	++(***)
Ethanol 10 %	++(***)	Red wine	++(***)
Ethyl acetate	--	Hydrochloric acid 10 %	+(***)
Glass cleaner	+(***)	Sanitary cleaner	++(***)
Heating oil	++(***)	Sulphuric acid 10 %	++(***)
Coffee	++(***)	Washing-up liquid	++(***)
Caustic potash solution 10 %	+(***)	Water	++(***)
Lamp oil	++(***)	Xylene	--

Note: ++ resistant
 + resistant, but with discoloration
 - limited resistance
 -- not resistant

(*) = 1h resistance++

(**) = 24h resistance++

(***) = 28 days resistance++

The figures were determined under indoor climate conditions.

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Areas of application

Wecryl 408 is used as a topping sealer on all WestWood systems to increase their chemical and mechanical resistance.

The appropriate non-slip properties are achieved by using different toppings as surface treatment.

Pack size



Summer:	Winter:
10.00 kg Wecryl 408	10.00 kg Wecryl 408
<u>0.20 kg</u> Weplus catalyst (2 x 0.1 kg)	<u>0.40 kg</u> Weplus catalyst (4 x 0.1 kg)
10.20 kg	10.40 kg

Colours

Wecryl 408 is available in the following standard colours:

RAL 7030 Stone grey

RAL 5024 Pastel blue

RAL 7032 Pebble grey

RAL 7001 Silver grey

RAL 7035 Light grey

Other RAL colours are available on request.

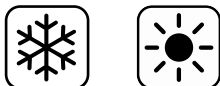
RAL 3020 Traffic red

RAL 7004 Signal grey

Storage

Store products sealed in their original airtight container and in a cool, dry and frost-free place. The unopened products have 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.

Application conditions



Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range, in °C		
	Air	Substrate*	Material
Wecryl 408	-5 to +35	+3 to +40*	+3 to +30

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

Humidity and 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 Weplus catalyst

	Wecryl 408 (at 20 °C, 2 % Weplus catalyst)
Pot life	approx. 15 minutes
Rain-proof	approx. 45 minutes
Walkable/overlayable	approx. 60 minutes
Fully cured	approx. 3 hours

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

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

Product	Substrate temperature in °C; amount of Weplus 900 to be added in % w/w (approximate values)												
	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
Wecryl 408	-	-	4 %	4 %	3 %	2 %	2 %	2 %	1 %	1 %	-	-	-

Consumption rates

Substrate

Smooth

As finish sealer on areas with surface treatment (depending on particle size of topping)

Density:

(The density will vary with the colour.)

Consumption

0.50 kg/m²

0.20 - 0.50 kg/m²

1.06 g/cm³

Technical data

Product application



Application equipment / tools

For mixing the product:

- Twin-paddle stirrer

For applying the product:

- Topping sealer with notched rubber squeegee (notch height 3 mm)
- The finish sealer must be applied with the rubber squeegee and then laid off with the finish roller (minimal shedding).

Substrate preparation

The finish can be applied either to hardened WestWood Primers or the self-levelling mortar, as required.

Mixing

First stir the tub contents thoroughly.

Then add the Weplus catalyst while stirring at the slow-speed setting and mix for 2 minutes. Make sure that the product on the base and sides of the container is incorporated.

At product temperatures < 10 °C the product should be stirred for 4 minutes, as the Weplus catalyst will take longer to dissolve.



Application

Use the finish roller to apply an even layer of the mixed material. Avoid fluctuating layer thicknesses.

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If too little material is applied, this can result in problems with the curing process as polymerisation is interrupted.

Finish design options:

Increased non-slip properties:

Broadcast dry quartz sand or silicon carbide over the freshly applied, still liquid finish.

Particle sizes of between 0.2 and 0.6 mm or 0.7 and 1.2 mm can be used, depending on the desired roughness.

Vacuum off the loose sand once the finish has hardened and then apply a final coat of finish with a sheepskin roller to cover the entire area.

Cleaning

If work is interrupted or when it is completed, clean the tools thoroughly with Weplus Cleaning Agent within the pot life of the material (approx. 10 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 applicator to test the product 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.

Revised: 16 August 2017