Pararapide WP

Product Ref: (DsL13-0516)
Issue No: 02-0117

DESCRIPTION

Pararapide WP Detailing is a high-grade, high viscosity, thixotropic PMMA-based waterproofing resin with low-temperature flexibility. It is fast-curing and solvent-free.

USE

Primarily for the waterproofing of roof details (sloping and vertical surfaces). **Pararapide WP Detailing** is a variant of **Pararapide WP** that is formulated to be more viscous/thixotropic to reduce run-off when applied.

PACKAGING

The 10 and 25 kg containers are supplied with Pararapide Catalyst.

10.00kg	Pararapide WP
0.20kg	Pararapide Catalyst (2x0.1kg)
10.20kg	
25.00kg	Pararapide WP
0.50kg	Pararapide Catalyst (5x0.1kg)
25.50kg	

COLOURS

Pararapide WP: **Standard colour. Pebble Grey (RAL 7032)**

APPLICATION

The product can be applied within the following temperature ranges:

Air: -5˚C to 35˚C

Substrate*: 3˚C to 50˚C

Material: 3˚C to 30˚C

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

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The substrate temperature must not be less than +3 °C if a topping is applied to the surface. Reaction problems can occur at lower temperatures.

Moisture

The relative humidity must be ≤ 90 %.
The surface to be coated must be dry.
The surface must be protected from moisture until the coating has hardened.

Reaction Times

	Pararapide WP (at 20°C, 2% Catalyst)
Pot Life	Approx. 15 mins
Rain-proof after	Approx. 30 mins
Can be walked on / overcoated after	Approx. 1 hour
Curing time	Approx. 3 hours

Higher temperatures or greater proportions of Pararapide Catalyst will reduce reaction times, while lower temperatures and smaller proportions of Pararapide Catalyst will increase reaction times.
The following table indicates the recommended amount of Pararapide Catalyst required to adjust the curing reaction to the temperature.

Product	Substrate temperature in °C / Required amounts of Pararapide Catalyst in % w/w (guide)												
	-10	-5	3	5	10	15	20	25	30	35	40	45	50
PararapideWP	-	-	4%	4%	4%	2%	2%	2%	2%	2%	1%	1%	1%

Consumption Rates

3kg/m²

Equipment/Tools

For Mixing:

- Twin-paddle stirrer and cordless drill

For Application:

- Sheepskin roller
- Brush (only for areas not accessible with a roller)

Mixing

First stir the tub contents thoroughly (twin-paddle stirrer to be used at all times).
Then add the Pararapide Catalyst while stirring the resin at a slow speed setting and mix for 2 minutes. Make sure that the product on the base and sides of the container is mixed in.
At product temperatures < 10 °C the product should be stirred for 5 minutes, as the Pararapide Catalyst will take longer to dissolve.

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Substrate to be Coated

Apply the **Pararapide WP** to the cured Pararapide Primer or suitably prepared substrate.

Application

Use **Pararapide WP** only for waterproofing a horizontal area.

Details/sloping areas should be treated prior to main area. See **Pararapide Detailing WP Data Sheet**.

Apply a generous and even layer of the mixed base coat to the entire area (at least 2kg/m^2), then immediately embed the **Pararapide Fleece** using a sheepskin roller to remove any air bubbles. Cover the fleece immediately (wet on wet) with a second layer of base coat (at least 1 kg/m^2, as required).

In each case use a sheepskin roller to spread the material over the surface.

Fleece overlaps must be at least 50mm wide.

Preparation for Subsequent Layers

Fully bonded surfacing (e.g. tiles)

Once the waterproofing has cured, apply an additional covering layer of Pararapide WP (approx. 1.5 kg/m^2) and top with a generous amount of sand while still wet (quartz sand 0.7 –1.2 mm). Vacuum off the excess/loose sand after the surface has hardened. The topping gives the surface the necessary roughness that allows the subsequent surfacing to be bonded onto the base. Never apply the topping to the waterproofing layer. Only use dry quartz sand.

Loose-laid surfacing (e.g. stone slabs)

Once the waterproofing has cured, apply an additional covering layer of Pararapide WP (approx. 1.5 kg/m^2). This protects the waterproofing layer against the mechanical loads of the surfacing.

TYPICAL PROPERTIES

Density:	1.22 g/cm^3
Water vapour diffusion resistance factor:	8150 [-]

CLEANING

When work is completed or if it's interrupted, clean the tools thoroughly with Pararapide Cleaner 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.

STORAGE

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

Unopened products have a shelf life of at least 6 months. Direct sunlight on the containers should be avoided, including on site. After removing some of the contents, reseal the containers so they are airtight.

SAFETY

Please refer to the Health and Safety data sheets for the products used.

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