

Pararapide SL Mortar

Product Ref: (DsL24-0516)
Issue No: 02-0117



DESCRIPTION

Pararapide SL Mortar is a 3 part component, flexibilised PMMA, self-levelling mortar for utilised areas, such as roof terraces, balconies and multi-storey car parks.

USE

Pararapide SL Mortar is part of the Pararapide system and is used as a protective layer, thick-film coating or equalising mortar. As part of a Pararapide waterproofing system it protects the waterproofing layer against the impact of traffic on account of its load- distributing effect. In the case of areas subject to mechanical loads and that are either free from cracks or have only hairline cracks, it is used as a thick-film coating without the waterproofing layer. Furthermore it can be used as an equalising mortar under Pararapide systems to level out areas of damage and up to 10 mm height differences.

PACKAGING

Pararapide SL Mortar is supplied as 3 components; Pararapide SL Mortar Resin (base resin) and Pararapide SL Mortar Sand (powder component) together with the Pararapide catalyst.

Summer		Winter	
10.00kg	Pararapide SL Mortar Resin (base resin)	10.00kg	Pararapide SL Mortar Resin (base resin)
23.00kg	Pararapide SL Mortar Sand (powder component)	23.00kg	Pararapide SL Mortar Sand (powder component)
0.20kg	Pararapide Catalyst (2x0.1kg)	0.40kg	Pararapide Catalyst (4x0.1kg)
33.20kg		33.40kg	

COLOURS

Pararapide SL Mortar is available in the standard colour RAL 7032 Pebble grey

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APPLICATION

The product can be applied within the following temperature ranges:

Air:	3 °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.

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. (See preparation for subsequent layers.)

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

	Pararapide SL Mortar (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. The amount of Pararapide catalyst required is determined by the quantity of resin.

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
Pararapide SL Mortar	-	-	6%	6%	4%	4%	2%	2%	2%	2%	1%	1%	1%

Consumption Rates

Approx. 4.00kg/m² for a smooth substrate.

Equipment/Tools

For Mixing:

- Twin-paddle stirrer

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For Application:

- Coating trowel with triangular teeth (notch pattern 92)
- Smoothing Trowel

Mixing

First stir the base resin thoroughly and transfer to a mixing container. Add the sand to the resin while stirring and continue until a smooth consistency is achieved (no lumps). Then add the Pararapide 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 mixed in.

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

Substrate Preparation

The self-levelling mortar can be applied either to the hardened Pararapide Primer or to the hardened Pararapide waterproofing layer, as required.

Application

Use of notched or smoothing trowel to apply an even coat of the mixed self-levelling mortar (approx. 4.0 kg/m²).

Preparation for subsequent layers:

Surfacing supplied by others and applied subsequently:

Fully bonded surfacing (e.g. tiles) While the self-levelling mortar is still liquid, top with a generous amount of sand (quartz sand ≥0.2-0.6 mm). Vacuum off the excess/loose sand after the surface has hardened. The sand topping creates the necessary roughness (key) and absorbency for the subsequent application of surfacing supplied by others.

Only use dry quartz sand (e.g. Quartz Sand).

Application as equalising mortar

To equalise layer thicknesses of between 3 mm and 10 mm, add additional amounts of coarse, fire-dried quartz sand (1-2 or 2-3 mm) to the mixed self-levelling mortar before adding the Pararapide Catalyst (23 kg sand to 10 kg self-levelling mortar). Once the Pararapide Catalyst has been mixed in and dissolved, apply the mortar using a trowel.

TYPICAL PROPERTIES

Density: 1.76 g/cm³

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.

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SAFETY

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

This document is only a guide.

Langley Waterproofing Systems Ltd reserves the right to change the composition and fixing recommendations of products as a result of the evolution of knowledge and technology.