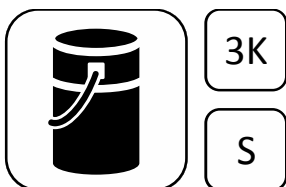


Weproof 327/-thix Self-levelling mortar



Brief description

Weproof 327/-thix is a flexibilised self-levelling mortar for waterproofing and surfacing systems that are suitable for pedestrian and vehicular traffic. It is used as a protective layer on top of the waterproofing layer or as a thick-film coating.

Material

3-component, fast-reactive, flexibilised and filled PMMA-based (polymethyl methacrylate) self-levelling mortar

Properties and advantages

- Versatile product – can be used as waterproofing protection, thick-film layer and equalising layer
- Product for areas exposed to mechanical loads (pedestrians, vehicles)
- Cost-efficient solution for surfacing floor areas without cracks or with only hairline cracks
- Fully bonded to the substrate, therefore no flow paths for water
- Easy and fast application
- Fast-curing
- Can also be applied at sub-zero temperatures
- Can be applied to almost all substrates, including variable substrates (when combined with WestWood Primers)
- Solvent-free

Areas of application

Weproof 327/-thix Self-Levelling Mortar is part of the Weproof system and is used as a protective layer, thick-film coating or equalising mortar. As part of Weproof waterproofing systems it is used as a protective layer. Its load-distributing effect protects the waterproofing against the impact of traffic. 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 is used as an equalising mortar under WestWood systems to level out areas of damage and up to 10 mm height differences. Essentially it can be used in the same way in conjunction with waterproofing for balcony and multi-storey car parks.

Differences between Weproof 327/-thix

Weproof 327 thix is a variant of Weproof 327 that is made more viscous / thixotropic to reduce run-off when applied to sloping and vertical surfaces.

Weproof 327/-thix Self-levelling mortar

Packaging



Weproof 327/-thix is supplied as components Weproof 304/-thix (base resin) and Wecryl 223 (powder component) together with the catalyst.

Summer:

10.00 kg	(2 x 5.0 kg) Weproof 304/-thix (base resin)
23.00 kg	Wecryl 223 (powder component)
<u>0.20 kg</u>	Catalyst (2 x 0.1 kg)
33.20 kg	

Winter:

10.00 kg	(2 x 5.0 kg) Weproof 304/-thix (base resin)
23.00 kg	Wecryl 223 (powder component)
<u>0.40 kg</u>	Catalyst (4 x 0.1 kg)
33.40 kg	

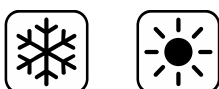
Colours

Weproof 327/-thix is available in the following standard colours:
RAL 7030 Stone grey

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.

Application conditions



Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range, in °C		
	Air	Substrate*	Material
Weproof 327/-thix	-5 to +35	+3 to +50*	+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

	Weproof 327/-thix (at 20 °C, 2 % catalyst)
Pot life	approx. 15 minutes
Rain-proof after	approx. 30 minutes
Can be walked on / overcoated after	approx. 1 hour
Curing time	approx. 3 hours

Weproof 327/-thix Self-levelling mortar

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

The following table indicates the recommended amount of catalyst required to adjust the curing reaction to the temperature. The amount of catalyst required is determined by the quantity of resin, i.e. Weproof 304.

Product	Substrate temperature in °C; required amounts of catalyst in % w/w (guide)												
	-10	-5	+3	+5	10	15	20	25	30	35	40	45	50
Weproof 304/-thix	-	-	6%	6%	4%	4%	2%	2%	2%	2%	1%	1%	1%

Consumption rates

approx. 4.00 kg/m² for a smooth substrate

Technical data

Density:

Weproof 327/thix	1.76 g/cm ³
(Weproof 304/-thix	1.00 g/cm ³)
(Wecryl 223	2.64 g/cm ³)

Product application



Application equipment / tools

For mixing the product:

- Twin-paddle stirrer

For applying the product:

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

Substrate to be coated

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

Weproof 327/-thix:

Use Weproof 327 for horizontal and slightly sloping areas with a gradient up to approx. 2 %. Weproof 327 thix is used for more steeply sloping areas.



Mixing

First stir the base resin (Weproof 304) thoroughly and transfer to a mixing container. Add the sand (Wecryl 223) to the resin while stirring and continue until a smooth consistency is achieved (no lumps). Then add the 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 catalyst will take longer to dissolve.

Application

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

Weproof 327/-thix Self-levelling mortar

Preparation for subsequent layers:

Surfacing supplied by others and applied subsequently:

- Fully bonded surfacing (e.g. tiles)
Immediately after applying the self-levelling mortar and while it is still liquid, top with a generous amount of sand (quartz sand $\geq 0.2 - 0.6$ 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. Weplus 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 mm or 2 – 3 mm) to the mixed self-levelling mortar before adding the catalyst (15 – 20 kg sand to 33 kg self-levelling mortar). Once the catalyst has been mixed in and dissolved, apply the mortar using a trowel.

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 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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