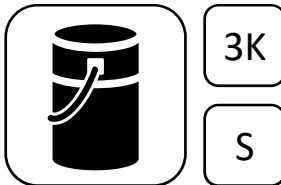


Wecryl 333 /-thix 10 /-thix 20 /-Wi

Self-levelling mortar



Brief description

Wecryl 333 is a flexibilised self-levelling mortar for utilised areas, such as roof terraces, balconies and multi-storey car parks.

In Wecryl waterproofing systems it serves as protection for the waterproofing layer. When used in surfacing systems it is applied as a thick-film coating.

Material

3-component, rapid-curing, 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 (e.g. from pedestrians, vehicles etc.)
- Cost-efficient solution for surfacing floor areas without cracks or with only hairline cracks
- Fully bonded to the substrate, therefore no flow paths underneath 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

Applications

- Protective layer, thick-layer coating or equalising in Wecryl systems
- Protects the waterproofing layer against the impact of traffic through its load-distributing effect.
- As a thick layer coating on crack-free surfaces or over hairline cracks without waterproofing
- Equalising and levelling of damaged patches and up to 10 mm height differences.

Differences between Wecryl 333 /-thix 10 /-thix 20 and Wi

Wecryl 333 -thix 10 and -thix 20 are variants of Wecryl 333 S that are made more viscous/thixotropic to reduce excessive run-off when applied to sloping surfaces.

Wecryl 333 thix 10 is optimised for gradients between 3% and 10%. Wecryl 333 thix 20 is optimised for gradients between 10% and 20%.

Wecryl 333 Wi is a variant of Wecryl 333 that is optimised for application at low temperatures. The application and curing properties, in particular, have been optimised specifically for low-temperature use.

We recommend that this product is applied at temperatures below 10 °C.

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Pack size



Wecryl 333 /-thix 10 /-thix 20 /-Wi is supplied as components Wecryl 333 H /-thix 10 /-thix 20 /-Wi (base resin) and Wecryl 333 S (powder component) together with the catalyst.

Summer:

10.00 kg	Wecryl 333 H /-thix 10 /-thix 20 (base resin)
23.00 kg	Wecryl 333 S (powder component)
<u>0.20 kg</u>	Wekat 900 (2 x 0.1 kg)
33.20 kg	

Winter:

10.00 kg	Wecryl 333 H Wi (base resin)
23.00 kg	Wecryl 333 S (powder component)
<u>0.40 kg</u>	Wekat 900 (4 x 0.1 kg)
33.40 kg	

Standard colours

7032 pebble grey
Black

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 12 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 333 /-thix 10 /-thix 20	+3 to +35	+3 to +50*	+3 to +30
Wecryl 333 Wi	-5 to +25	-5 to +30*	+3 to +20

* 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.

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Reaction times and required amounts of catalyst

	Wecryl 333 /-thix 10 /-thix 20 (at 20 °C, 2% catalyst)	Wecryl 333 Wi (at 3 °C, 6% catalyst)
Pot life	approx. 15 min	approx. 20 min
Rainproof	approx. 30 min	approx. 45 min
Can be walked on/ overcoated	approx. 1 hour	approx. 75 min
Curing time	approx. 3 hours	approx. 6 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. The amount of catalyst required is determined by the quantity of resin, i.e. Wecryl 333 H.

Product	Substrate temperature in °C; required amounts of Wekat 900 in % w/w (guide)												
	-10	-5	+3	+5	10	15	20	25	30	35	40	45	50
Wecryl 333 H /thix 10/20	-	-	6%	6%	4%	4%	2%	2%	2%	2%	1%	1%	1%
Wecryl 333 H Wi	-	6%	6%	6%	4%	4%	2%	2%	2%	-	-	-	-

Consumption rates

≥ 4.00 kg/m² for a smooth, even substrate

Technical data

Density:

Wecryl 333 /-thix 10 /-thix 20 /-Wi	1.76 g/cm ³
Wecryl 333 H /-thix 10 /-thix 20 /-Wi	1.00 g/cm ³
Wecryl 333 S	2.61 g/cm ³

Water Vapour Diffusion Resistance Factor 23.718 [-]

Product application



Application equipment / tools

For mixing the product:

- Mixing tool with 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 Prime or to the hardened Wecryl waterproofing layer, as required.

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Mixing

First stir the base resin (Wecryl 333 H /-thix 10 /-thix 20) thoroughly and transfer to a mixing container. Add the sand (Wecryl 333 S) to the resin while stirring and continue until a smooth consistency is achieved (no lumps). Then add the catalyst while stirring the resin 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 at least 4 minutes, as the catalyst will take longer to dissolve.

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 ≥ 0.1 – 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 dry quartz sand must be used.

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 catalyst (max. 17 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 WestWood 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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