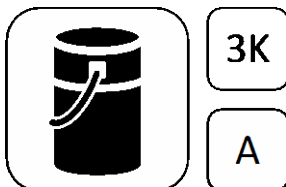


Weproof RR 359/RR 359 thix



Brief description

Weproof RR 359/RR 359 thix is a high-grade, flexible and low-odour PMMA-based waterproofing resin for the durable and reliable waterproofing of buildings.

Depending on the crack-bridging requirements it is used on its own or in conjunction with Weproof RR 354 as waterproofing. Due to its low-odour properties during application, RR 359 is also suitable for odour-sensitive areas.

Material

3-component, fast-reactive, slightly flexibilised, low-odour, PMMA-based (polymethyl methacrylate) waterproofing resin

Properties and advantages

- Low-odour
- Can be used without fleece reinforcement
- Permanently weather-resistant (UV-, hydrolysis- and alkali-resistant)
- Fully bonded to the substrate, therefore no flow paths for water
- Easy and fast application
- Fast-curing
- Can be applied to almost all substrates, including variable substrates (when combined with WestWood Primers)
- Solvent-free
- AbP for the waterproofing of buildings (as part of the Weproof system)

Areas of application

Weproof RR 359/RR 359 thix is a product that belongs to the Weproof system and is used for the waterproofing of buildings. The Weproof system is used to waterproof main areas and details on garages, bridges, balconies, terraces and access balconies.

In conjunction with Weproof RR 354 it forms a crack-bridging and fleece-free waterproofing layer. On areas without any cracks or with only hairline cracks it is used without RR 354 as a waterproofing coating.

Differences between Weproof RR 359 and RR 359 thix

Weproof RR 359 thix is a variant of RR 359 that is made more viscous / thixotropic to reduce run-off when applied to sloping and vertical surfaces. It is therefore used primarily for the waterproofing of details.

Weproof RR 359/RR 359 thix

Packaging



Weproof RR 359/-thix consists of R 304/-thix base resin and R 355/-thix fixing component, and is supplied with catalyst.

Summer:

| | |
|----------------|--------------------------------|
| 5.00 kg | R 304/-thix (base resin) |
| 20.00 kg | R 355/-thix (fixing component) |
| <u>0.50 kg</u> | Catalyst (5 x 0.1 kg) |
| 25.50 kg | |

Winter:

| | |
|----------------|--------------------------------|
| 5.00 kg | R 304/-thix (base resin) |
| 20.00 kg | R 355/-thix (fixing component) |
| <u>1.00 kg</u> | Catalyst (10 x 0.1 kg) |
| 26.00 kg | |

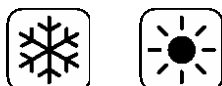
Colours

Weproof RR 359/-thix is green.

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 RR 359/-thix | +5 to +35 | +5 to +50* | +5 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 $\leq 90\%$.

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

| | Weproof RR 359/-thix (at 20 °C, 2 % catalyst) |
|--|--|
| Pot life | approx. 15 minutes |
| Rain-proof after | approx. 45 minutes |
| Can be walked on / overcoated after | approx. 1.5 hours |
| Curing time | approx. 3 hours |

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.

| 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 | |
| 359/-thix | - | - | - | 4% | 4% | 4% | 2% | 2% | 2% | 2% | 1% | 1% | 1% | |

Consumption rates

- As fixing layer (without fleece) approx. 1.60 kg/m²

Technical data

| | |
|--------------------------|------------------------|
| Density: | |
| Weproof RR 359 | 1.38 g/cm ³ |
| (R 304 base resin) | 1.00 g/cm ³ |
| (R 355 fixing component) | 1.52 g/cm ³ |

Product application



Application equipment / tools

For mixing the product:

- Twin-paddle stirrer

For applying the product:

1. Rubber squeegee with serrated edge (6 mm thick, notch spacing 7 mm, e.g. Polyplan notch size no. 7)
2. Metal spiked roller

Substrate to be coated

Weproof RR 359 can be applied either to the hardened WestWood Primer, or to the hardened Weproof RR 354, as required.

Weproof RR359/-thix:

Weproof RR 359 is used on horizontal and slightly sloping areas. Weproof RR 359 thix is used for vertical surfaces (e.g. upstands on details).



Mixing

Start by stirring both components thoroughly. Then add the base resin (R 304/R 304 thix) to the fixing component (R 355/R 355 thix) with the stirrer on the slow-speed setting and mix for approx. 1 minute. Now add the catalyst while stirring at slow speed and mix for 2 minutes. Make sure that the product on the base and sides of the container is mixed in.

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

Application

Use the serrated-edge rubber squeegee to apply an even layer of the mixed material (at least 1.6 kg/m²). Immediately afterwards – while this layer is still liquid – go over the entire area with the spiked roller.

Preparation for subsequent layers:

Surfacing supplied by others and applied subsequently:

- a) Fully bonded surfacing (e.g. tiles)
If a fully bonded tiled surface supplied by others is to be installed, Weproof RR 354 with embedded fleece must be used for the waterproofing layer. Once the waterproofing layer has cured, apply a covering coat of Weproof RR 359, as described above (approx. 1.6 kg/m²) and top with a generous amount of sand while still wet (quartz sand 1.0 – 2.0 mm). Vacuum off the excess/loose sand after the surface has hardened. The sand topping creates the necessary roughness (key) for the subsequent application of surfacing supplied by others. Never apply the topping to the waterproofing layer. Only use dry quartz sand (e.g. WestWood Quartz Sand).
- b) Loose-laid surfacing (e.g. stone slabs)
Once the waterproofing has cured, apply an additional covering layer of Weproof RR 359 (approx. 1.6 kg/m²) in the same way. This protects the waterproofing layer against the mechanical loads of the surfacing supplied by others.

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.