

## vebro UR Membrane

**vebro** UR Membrane is a highly elastic, solvent free ready to use two component polyurea coating / membrane. Offering both elastomeric and waterproofing properties specifically designed for crack bridging purposes.

**vebro** UR Membrane is used primarily in industrial environments as a wear coating and a waterproofing layer for substrates with cracks or where cracking may occur due to mechanical stress.

### Substrate Preparation

Product is applied to the pre-primed (**vebro** EP Universal Primer) and mechanically prepared substrate. The primed surface must be free of debris such as dust, oil, grease, etc. **vebro** UR Membrane should be installed within the over-coating window of the cured primer up to 24 hours at 20°C (maximum).

### Application Instructions

The product is supplied in co-ordinated factory filled quantities in two component containers. The A Component should be stirred for approximately 1 minute. Then the B Component is completely emptied into the A Component. Both components must be mixed homogeneously with a suitable electric stirrer (slow speed drill and paddle) for 2 – 3 minutes. Avoid entraining air into the mixed product when mixing by ensuring that the head of the mixer is fully submerged into the combined components.

The mixed material should then be transferred into a clean separate mixing container of suitable size and briefly re-mixed for a period of not less than 1 minute. Note when used specifically as a water proofing membrane no dry quartz or silica sand should be added into the mixed material.

For use as a water proofing / wear coat approximately 10 – 25% of **vebro** Natural Quartz 0.1 – 0.4 mm can be added into the mix when applied as a first single layer membrane / coating at the consumption application rate of 1.8 – 2.0 kg/m<sup>2</sup>

The mixed **vebro** UR Membrane is poured directly onto the suitably primed substrate in portions and applied with a toothed / serrated steel trowel (tooth size no. 25 or 48) across the entire area to the appropriate thickness.

For the water proofing /wear coat application purposes dry natural quartz sand is broadcast to excess onto the wet uncured material surface to excess, dependent upon type of desired anti-slip properties required or what type of resin coating / self-levelling screed is to be overlaid onto the broadcasted membrane. Typically, 0.3 – 0.8 mm, 0.7 – 1.2 mm or 1.0 – 1.8 mm are used dependent upon specific system being overlaid.

### Liquid Mixture

#### Consumption

1.8 – 2.0 kg/m<sup>2</sup> (by serrated trowel)

0.35 – 0.75 kg/m<sup>2</sup> as second layer on first membrane layer to receive dry quartz sand blinding / scatter for suitable resin-based coatings / self-levelling screeds (by squeegee and roller).

#### Film Thickness

First layer: 2.0 – 2.5 mm

Second layer: 0.25 – 0.50 mm

#### Application Temperature

10 – 30 °C

(min 3°C above dew point)

#### Packaging (Unit Sizes)

30.0 kg

(10.0 kg A + 20.0 kg B)

#### Colour

Grey

#### Shelf Life

6 months in closed container

#### Storage

Dry at 10 – 25°C, avoid direct sunlight.

#### Working Time

40 minutes @ 12°C

30 minutes @ 20°C

15 minutes @ 30°C

#### Foot Traffic

After 12 – 24 hours @ 20°C

#### Overcoating Window

18 – 36 hours @ 20°C

The typical physical properties given above are derived from testing in a controlled laboratory environment at 20°C. Results derived from testing field applied samples may vary dependent upon site conditions.

It is not necessary to abrade the surface of the cured **vebro** UR Membrane if the subsequent over coating is applied within 36 hours at 20°C.

Additionally the second layer can be fully blinded whilst still wet with **vebro** Natural Quartz 0.3 – 0.8 mm, 0.7 – 1.2 mm or 1.0 – 1.8 mm for the purposes of forming a mechanical key for rigid resin floor coatings or resin screeds / cementitious self-levelling screeds to be placed that are not subjected to downward deflection / compression of beyond 1.5 mm per linear meter of span under loading (suitable advice the purpose of loading should be suitably sought from a qualified structural engineer).

## Cleaning & Maintenance

For the long-term maintenance of the properties of polymer flooring materials, a regular cleaning and care programme is recommended.

## Further Information

**Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local regulations concerning the safe handling of epoxy resin based coating materials must be observed. Suitable protective clothing including suitable eye protection must be worn at all times.**

All consumptions listed are for recommendation purposes only. Detailed application instructions and system build-up advice can be provided on request through our Technical Services team.

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