



Unimix UW

Product Description

Uniguard UW is a cement base hydrophobic flexible crack filler and repair mortar. It can act as a grout for bricks and natural stone, suitable for wide joints up to 40 mm. The high abrasion resistance and the reduced water absorption characteristics make Unimix UW suitable for both of internal and external applications under severe conditions including prolonged water immersion.

Features and benefits

- Superior flexural strength.
- Can be used underwater.
- Blocks water absorption, suitable for wet areas.
- Can be used for internal and external applications.
- Easy to apply, non-sag with good workability.
- It provides an elastomeric seamless film with excellent adhesion.

Typical use

- Suitable for bathrooms, kitchens and other wet areas.
- Can be used as a coving compound.
- For the repair of vertical and overhead elements.
- Suitable to be applied around drainage pipes.
- Excellent for surface crack filling.
- Suitable to be used in swimming pools, wells and any other immersed surfaces (underwater).

Substrate

Plaster, concrete, block work, tiles, etc....

Product Data

Packaging size	5,10, 25 kg
Form	Powder
Colors	Off white, Grey, White.
Solid by volume	98 ± 2%
Density	1.30 g/cm ³ in powder form, 1.80 g/cm ³ as a slurry.
VOC content	<30 g/l (LEED compliant)



Crack Bridging	2 mm
Setting Time	Dependent on temperature, Typical values (at 30C°) Initial: 6-8 hrs. Final Setting time 20-24 hrs.
Flexural Strength@28 Days	10 MPa

Application data

The product can be applied by

Trowel: Recommended.

Spatula: Recommended.

Cleaning

Immediate cleaning with water is necessary.

Film Thickness per coat

Dry Film Thickness	Up to 40 mm.
Theoretical spreading rate	0.7- 0.9 m²/ 10 KG pack @ 10 mm.
Yield	10 kg mixed pack yields 5.46 ltr

Mix Ratio

Uniguard UW is provided in powder form, for manual mixing, pour 1 part of pure water in a clean empty container then add 6 parts of Uniguard UW.

Conditions during application

Do not apply if the temperature is below 5°C and not more than 40°C. For ambient air temperature > 30°C continuous humidification (spraying water mist) is required before and during application. Avoid working under direct sunlight.

Directions for use

Surface preparation

- Ensure that surface is thoroughly cleaned and free from grease, oil, dirt, salt and other containment.
- Clean the surface with water.

Recommended Application System

Number of coats:

As needed and depending on the status of surface, the thickness of layer to not exceed 40 mm.



Curing

Unimix UW cures with minimal shrinkage. If exposed to rapid drying conditions keep the surface wet to prevent premature drying. Standard curing practices are recommended.

Storage

- Store in cool, dry place in a well-sealed container away from moist air for 6 months.
- Keep away from heat, ignition sources and from children.

Caution

- Unimix UW is not recommended for load bearing structure.
- Clean mixing container before use. Do not use dirty tools.
- Do not exceed dilution ratios.
- Keep out of the reach of children

Health and safety

Possible Hazards: It causes irritation in case of skin contact & eye contact, flush immediately with plenty of water for at least 10 minutes and seek medical advice in case it happened.