



SOLUTIONS FOR INDUSTRY

Uniflex

Flexible Mortar Additive

Characteristics:

- Uniflex is an acrylic polymer designed for use in cement based mortars to provide flexibility, enhanced strength, adhesion and resistance to chemicals, vibrations, and thermal movement.
- Uniflex can be used internally and externally for all tile and stone types that are not sensitive to water, including applications that are subject to total immersion.
- Main uses: Primer prior to tiling or plastering, Slurry bonding coat, Plasticiser for mortars, Flexibilising mortars and adhesives.
- Modifier for cement based tile adhesives and grouts for applications such as: Heated floor slabs, Concrete floors subject to thermal movement, Fibre cement sheeting, Prepared vinyl.
- As a primer to reduce porosity of the substrate and to provide a separating layer.
- As a bonding coat or slurry immediately prior to application of a tile adhesive or sand mortar to provide exceptional adhesion to the substrate.
- As an additive to the cement mix. Uniflex can be added as a partial or complete replacement of the gauging water.
- Amongst the advantages conferred by the inclusion of Uniflex are improved workability, improved adhesion, improved toughness and flexibility, reduced dusting, improved resistance to chemicals, improved water and frost resistance, and reducing salt migration (efflorescence).

Preparation:

- In all instances the surface needs to be well fixed and clean and free from any contamination.
- Special note should be taken of the fixing and sealing requirements of the substrate supplier.
- Where waterproofing is required, use Miracryl 2-part, or Polymer Liquidseal.
- Existing paint work must be clean and firmly adhered. Roughen up the paint with sandpaper to provide some suction back into the substrate.

Application:

- **Tiling:** Once the surface has been prepared in accordance with RLA's instructions then apply the adhesive onto the substrate using an appropriate notched trowel.
- **Slurry Coat:** Mix the Uniflex Additive with neat cement as mentioned below and then spread it onto the surface using a brush or a broom. While the slurry coat is still wet bed the top coat into it.
- **Splash Coat:** After mixing sand and cement with Uniflex Additive as mentioned below, apply the splash coat onto the surface using a brush or broom.
- **Renderers/ Screeds:** After mixing sand and cement with Uniflex Additive and water as mentioned below, apply the render/ screed to the substrate using a flat trowel. The thickness of the render should not exceed 13 mm in one application. For screeds generally the thickness should be greater than 20 mm and they should be reinforced with wire mesh.

Clean up:

- Excessive Uniflex Additive, tools and other equipment can be cleaned up using water while the additive is still wet.

Coverage:

- As a primer 12m²/L
- As a slurry mix with cement 3m²/L
- As a additive to RLA's cement based tile adhesive 2-3m²/L

Mixing:**Low Porosity Tiles:**

- Ž 20kg of Tilebond
- Ž 3Lt of Uniflex Additive/2Lt of water

Tiling on Tiles:

- Ž 20kg of RLA's cement based adhesive
- Ž 5Lt of Uniflex Additive

Grout Additive:

- Ž 20kg of RLA Grout
- Ž 3Lt of water
- Ž 2Lt of Uniflex Additive

Facade Tiling:

- Ž 20kg of RLA's premium grade cement based adhesive
- Ž 5Lt of Uniflex Additive

Tiling in Permanently Immersed Situations:

- Ž 20kg of RLA's premium grade cement based adhesive
- Ž 5Lt of Uniflex Additive

Slurry Coat:

- Ž 1 part neat cement
- Ž 1 part Uniflex Additive

Splash Coat:

- Ž 1 part cement
- Ž 1 part sand
- Ž 1 part Uniflex Additive

Renderers/ Screeds:

- Ž 1 part cement
- Ž 3 parts sand
- Ž 1 part Uniflex Additive
- Ž 3 parts water

Packaging/ Shelf Life:

- Ž Uniflex Additive is available in: 5L, 20L and 200L
- Ž When stored in a cool, dry environment, and above ground level, will have a shelf life of approximately 12 months.

Handy Tips:

- Ž Do not apply Uniflex Additive in temperatures above 40°C or below 5°C.
- Ž For applications/ situations not mentioned in this data sheet please contact your nearest RLA office.
- Ž Uniflex Additive is classified as a nonhazardous product.
- Ž For a full MSDS on this product please contact your nearest RLA office.

Technical Data:

Properties	Results
Appearance	White Liquid
Bulk Density	1.10 +/- 0.05
Drying time @ 20°C	Depend on application

The information supplied is to the best of our knowledge true and accurate. The actual application of the product is beyond the manufacturer's control. Any failure or damage caused by the incorrect usage of the product is not the responsibility of the manufacturer. The manufacturer insist that all workmanship must be carried out in accordance with AS3958 part 1 1991. It is also the responsibility of the end user to ensure that the literature in their possession is the latest issue.