



## Unimix Dry Mix

### Product Description

Unimix Dry Mix is a ready-to-use Cementitious micro concrete made of selected aggregates, special cement and additives. It can be applied in thickness from 30 mm to 200 mm per layer. Unimix Dry Mix is specially formulated to produce a shrinkage compensating grout for various applications.

### Typical use

- Filling of shutter tie rod hole openings.
- Repair of damaged concrete areas.
- Concrete jacketing for slabs, columns, beams and footings.
- Fixing and joining concrete elements.
- Closing or filling in concrete and precast elements.
- Anywhere where localized deep repair is required.

### Product Data

<b>Packaging size</b>	20 Kg plastic bags
<b>Appearance</b>	Cementitious powder
<b>Colors</b>	Cement Grey.
<b>Bulk Density</b>	1.80 - 2.0 kg/m <sup>3</sup>
<b>Mixed Fresh Density</b>	2.30 - 2.40 kg/m <sup>3</sup>

### Application data

The product can be applied by

<b>Spatula:</b>	Recommended
<b>Trowel:</b>	Recommended
<b>Pump:</b>	Recommended

### Mix Ratio:

Required Consistency	Plastic	Flowable
Liters of water added per 20 kg bag	2.40	2.70

Water mixing ratios may vary depending on weathering conditions.



## Application Method

**Surface Preparation:** Unimix Dry Mix may be applied on sound concrete, masonry, rock or similar materials. Remove damaged concrete and laitance by chipping with a pick or cold-chiseling to get a rough surface. The surface must also be free from any trace of grease or oil. Saturate the surface with water just before application, and if possible, 2 hours before application as well.

## Product Preparation

Unimix Dry Mix is obtained by mixing it with 2.4 to 2.75 L of clean water. Add the powder to the water and mix for 3 minutes. To ensure a homogeneous and uniform mix, an electric mixer must be used.

Do not mix with other hydraulic cements. The use of additives is prohibited.

## Product Application

Build a solid leak-proof formwork. Pour Unimix Dry Mix continuously by any method of placing and in one direction to avoid air pockets. The applied thickness can be up to 25 cm.

Continuous grout flow is essential and sufficient grout and water should be available to be mixed to ensure there is no discontinuity of the flow. Ideal application temperature is between +5°C and +35°C.

## Curing

Protect the work against rapid drying from wind, sun and excessive heat by using Uniguard Bond Plus curing compound or by covering with properly secured plastic sheeting.

## Storage

12 months after manufacturing date in original and non-open bags, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

## Caution

- Clean mixing container before use. Do not use dirty tools.
- Do not exceed W/C ratios.
- Keep out of the reach of children

## Health and safety

Refer to Unimix Dry Mix MSDS.