



High consistent, high strength free flowing, Rapid setting, self-compacting concrete repair.

**Description**

REPFlow XTRA is a cement-based repair mortar. It is supplied as a ready to use dry powder mix, which requires only the addition of clean water, to produce high strength and consistency and self-compacting concrete repair.

REPFlow XTRA should be applied at thicknesses in the range 20 to 100 mm.

**Uses**

- Repair of all types of structural concrete elements such as walls, columns, beams etc.,
- Emergency concrete repairs.
- Areas that require a quick return to service, like airport runways and highway.

**Characteristics / Advantages**

- Factory controlled pre-blended dry mix which requires only addition of water.
- Excellent workability and easy to apply.
- Low shrinkage and low permeability.
- Excellent bond to substrate.
- Suitable for high and low thickness of application.
- High Sulfate resistance.

**Typical Properties**

Color	Gray			
Appearance	Powder			
Compressive strength (MPa) (BS1881 Part 116)	3 hours	1 day	7 days	28 days
	≥15 MPa	≥30 MPa	≥40 MPa	≥50 MPa
Working Life	20 mins @ 20°C			
Setting time (BS4550 Part 3)	initial set : 30 minutes			
	final set : 60 minutes			
Fresh wet	~2150 kg/m <sup>3</sup>			
Yield	~13.4 liters per 25kg bag			

**Application Instructions**

**preparation**

Concrete should be sound and clear from dust, loose material, curing compounds, oils, etc. any de-laminated, and deteriorated concrete should be removed by suitable means.

Any rust, scale, concrete, and other loose material on the steel reinforcement should be removed using abrasive blast cleaning or other suitable means to reach the bright condition.



**MICSHIELD™**



**REPFlow XTRA**

### Mixing

Pour into a suitable container 3.75 liters of clean water. Add 25 kg powder to the water and mix using a low speed mixing drill fitted with the suitable mixing paddle. Continue mixing for 2-3 minutes until achieving lumps-free mix.

### Application

Pour or pump the mixed material within 10 min, in one continuous operation.

**REPFlow XTRA** can be applied up to 100 mm thickness in a single application and not less than 20mm.

Surface finishes can be obtained with trowel, wood float, and roller or by brush depending on the required surface texture.

### Cleaning

Tools should be cleaned immediately with clean water. Hardened material should be removed mechanically.

### Packaging

**REPFlow XTRA** is available in 25 kg bags.

**This product is environmentally friendly**

### Storage

**REPFlow XTRA** has a shelf life of 12 months when stored in its original unopened packing in dry conditions. Shelf life may reduce if the recommended storage conditions changed.

### Safety Instructions

Like any cementitious product, **REPFlow XTRA** contains hydraulic cement and may cause irritation to skin or eyes. For further information Refer to the Material Safety Data Sheet.

### Disclaimer

Manaseer Industrial Complex has the right to amend its datasheets anytime. Please make sure to have the latest published datasheet version.

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