

PS Polymer Modified Mortar

Shrinkage controlled, polymer modified, fibre reinforced cementitious repair mortar



Description PS Polymer Modified Mortar is a single component, thixotropic, ready to use blend of dry powders and fibres which requires only the addition of clean water to produce a highly consistent, hand and spray grade, repair mortar suitable for most structural and load bearing repairs.

Uses PS Polymer Modified Mortar is suitable for hand application in a wide variety of repair applications, and is particularly well suited to vertical and overhead repairs. Typical applications would include, but not be limited to, the following:

- All types of RCC structure repairs
- Fast track repair programs, where rapid application at high volume is required
- Excellent for repairs to fire damaged concrete
- Single/multiple layer, high build applications

Characteristics / Advantages

- **Cost effective** - shrinkage control enables repairs to be completed right first time. Very low rebound is an additional cost benefit.
- **Enhanced durability** - works in tandem with extremely low permeability to prolong effective working life
- **Compatibility** - aligns performance closer than ever before to that of host concrete.
- **User friendly** - specifically developed to provide an easy to apply product, suitable for local conditions.
- **Definable performance** - positive benefits are easily demonstrated via a single, simple measurement

Product Information

Packaging	30 kg bags
Shelf life	12 months from date of production
Storage Conditions	The product must be stored properly in undamaged and unopened, original sealed packaging, in dry conditions at temperatures between +5 °C and +35 °C. Protect from moisture, direct sunlight and frost.

Mechanical / Physical Properties

Compressive Strength	Curing Time	Compressive Strength (Mpa)
	1 day	> 15
	3 days	> 25
	7 days	> 35
	28 days	> 45

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Flexural Strength	Curing Time	Flexural Strength (Mpa)
	7 days	> 8.0
	28 days	> 10.0
Tensile Strength	Curing Time	Flexural Strength (Mpa)
	7 days	> 3.0
	28 days	> 4.0

Shrinkage No shrinkage after initial setting

Application Details

Pot life ~30 minutes (water : powder = 0.15, +30 °C)

Application Instructions

Special Instructions In situations where a substrate/repair barrier is required, or enhanced bond strength/working time is required, or where the substrate is likely to be damp (e.g. seawalls, quays etc.), epoxy bonding agent should be used.

Water addition - between 4.5 & 4.75 liters per 30 kg bag Under no circumstances should part bags be used or additional water be employed. Either of these two actions will adversely affect material performance

Fire Readymix Polymer Mortar is non-flammable and thus presents no fire hazard.

Value Base All technical data stated in this product data sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Health & Safety Information For Information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Product contains cement powders which, when mixed with water or upon becoming damp, release alkalis which can be harmful to the skin.

During use, avoid inhalation of the dust and contact with the skin or eyes. Wear suitable protective clothing - eye protection, gloves and respiratory equipment (particularly in confined spaces).

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

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Legal Notes

The information and in particular the recommendations relating to the application and end use of products are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with recommendations. In practice the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information or from any written recommendations or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose reserves the right to change the properties of its products. The Proprietary rights of third Parties must be observed. All orders are accepted subject to our current terms of sale and delivery.

Users must always refer to the most recent issue of the local product Data sheet for the product concerned copies of which will be supplied on request.

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