

Single Component polymer modified repair mortar for concrete.

**DESCRIPTION** Repair Mortar is a one part, polymer modified, cementitious thin fairing coat repair mortar for concrete surfaces, plaster, etc.

**USES** Repair Mortar is used to cover minor surface defects on concrete, plaster, mortar and stone masonry. As a cosmetic repair material it is used to eliminate small defects, pin holes and surface blemishes. It is suitable for small repairs to precast concrete elements, columns, beams and fair faced concrete.

**ADVANTAGES**

- Precision made, consistent results.
- Requires only the addition of mixing water.
- Shrinkage compensating.
- Excellent adhesion to concrete.
- Flexible.
- Smooth, easily produces finished.
- Low permeability.
- Excellent resistance to freeze / thaw action and carbonation
- Ingress of water borne salts, such as chloride and atmospheric / chemical attack.
- Subsequent paint coats can be applied with greater economy.

**TYPICAL PROPERTIES at 25°C with W/P ratio at 0.24**

PROPERTY	TEST METHOD	VALUE
Component	-	Single
Form	-	Powder
Colour	-	Grey
Fresh Wet Density	BSEN 12350-6	1.90 kg/ltr +/- 0.05
Working Time	-	30 mins
Compressive Strength	ASTM C109	45 N/mm <sup>2</sup> at 28 days
Bond Strength	ASTM D4541	>1.5 N/mm <sup>2</sup> at 28 days
Flexural Strength	BS 6319-3	6 N/mm <sup>2</sup> at 28 days
Water Absorption (ISAT)	BS 1881-208	< 0.01 ml/m <sup>2</sup> /sec at 2 hrs
Drying Shrinkage	ASTM C 157	< 500 microstrain at 28 days

**SURFACE PREPARATION** Ensure that surface is clean, free from laitance, traces of curing compounds, shuttering oil, grease, etc., which may hamper bond

**Statement of Responsibility (Disclaimer)**

The technical information and application advice are based on present state of our best scientific and practical knowledge. As the information herein of a general nature, no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

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properties, No loose particles should be present. The surface must

be saturated with water thoroughly for at least 2-4 hours before application of Repair Mortar.

## MIXING

Use 5 to 6 ltrs of water for every 25 kg bag depending on consistency required . Mix using a slow speed heavy duty drill machine fitted with a paddle. Mix for approximately 3 minutes till a uniform mixed consistency is obtained. Part mixing can be adopted provided correct water to powder ratio is maintained.

## APPLICATION

Mixed material is applied on the prepared surface using a steel trowel. It should be worked well into the pin holes and surfaces blemishes. It should be allowed to set partially before final finishing with sponge steel trowel. Water can be sprinkled on the applied material before final trowel or sponging.

**APPLICATION THICKNESS** 1 mm up to 5 mm can be applied in one layer

**PACK SIZE** 25 kg bag

**YIELD** 16 ltr/25 kg bag with 6 ltr water addition

**COVERAGE** 16 m<sup>2</sup>/25 kg bag at 1 mm thickness

## LIMITATIONS

Setting time and strength gain will be affected by ambient conditions. Maximum thickness in single layer should not be more than 5 mm. Not to be applied if there is running water during application or before setting of material.

## GENERAL INFORMATION

<b>Shelf Life</b>	12 month from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
<b>Cleaning</b>	Clean all equipment's and tools with water immediately after use

## HEALTH and SAFETY

<b>PPE's</b>	Gloves, goggles and suitable mask must be worn.
<b>Precautions</b>	Contact with skin, eyes , etc. Must be avoided.
<b>Cleaning</b>	Regarded as non-hazardous for transportation.

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**Disposal**

Do not reuse bags.

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**Ducon Polymer Flooring (DPF)**

[www.dpf-asia.com](http://www.dpf-asia.com)