



**Ronacrete**  
WORLD CLASS MANUFACTURER

## RonaFloor Epoxy Floor Mortar Rapid

### Rapid cure epoxy floor repair mortar

#### Description

RonaFloor Epoxy Floor Mortar Rapid is a pigmented three component high performance epoxy resin mortar for heavy duty floor repairs. Minimum application thickness is 5mm, typical repair thickness is 5-50mm.

RonaFloor Epoxy Floor Mortar Rapid offers excellent mechanical properties and will resist attack from spillage of a range of chemicals including acids, alkalis, oils and fats.

#### Packaging

Supplied in 5kg and 25kg units

#### Coverage

Approximately 2.1kg/m<sup>2</sup>/mm

Coverage per 5kg unit	0.47m <sup>2</sup> @ 5mm
	0.23m <sup>2</sup> @ 10mm

Coverage per 25kg unit	2.38m <sup>2</sup> @ 5mm
	1.19m <sup>2</sup> @ 10mm

#### Substrate Preparation

To achieve optimal adhesion it is essential that RonaFloor Epoxy Floor Mortar Rapid is applied to structurally sound, clean and dry substrates. Repair edges are to be square cut to a minimum depth of 5mm and the substrate must be mechanically prepared to produce a lightly textured, laitance free surface. Substrates must be cleaned to remove grease, oil and dirt. Substrates must be allowed to dry after washing. Substrates must be vacuum cleaned, to remove loose materials. New concrete or screeds should be allowed to dry out for at least 28 days prior to coating. RH at the surface must be below 75% when measured with a hygrometer, or have a moisture content less than 5%.

After surface preparation, substrates must exhibit readings of 25 or above when tested using a rebound hammer in accordance with BS EN 12504-2 type N and pull-off strengths in excess of 1.5 N/mm<sup>2</sup> when tested in accordance with BS EN 13892-8.

#### Application Conditions

The workability and application characteristics of RonaFloor Epoxy Floor Mortar Rapid are adversely affected by low temperature; viscosity and curing time will increase. Therefore the material should ideally be stored, mixed and applied at 15°C to 25°C. At lower application temperatures the material should be stored at or warmed to 15°C to 25°C prior to use. Application characteristics are severely affected below 10°C, minimum application temperature is 5°C. Maximum relative humidity is 75% and the surface temperature is to be not less than 3°C above the dew point.

#### Substrate Priming

Prime prepared surfaces with RonaFloor Epoxy Primer at 0.25 - 0.3kg/m<sup>2</sup>/coat. Porous surfaces may require more than one coat, observing intercoat period. RonaFloor Epoxy Floor Mortar is to be applied to tacky primer. If the primer is to be left to dry overnight it must be scattered with 0.5 - 1mm kiln-dried sand at a rate of 1kg/m<sup>2</sup> whilst wet. Primer should not be allowed to cure for more than 24 hours before overlaying

When the substrate has a relative humidity exceeding 75%, RonaFloor Epoxy DPM should be used (refer to product data sheet)

#### Features

- **rapid cure**
- **nonylphenol free**
- **excellent abrasion resistance**
- **easy to clean finish when sealed**
- **good chemical resistance**
- **foot traffic after 3 hours at 20°C**
- **decorative**
- **low maintenance**

#### Physical Properties at 20°C

Physical Properties	
Working time	15 - 20 minutes
Foot traffic	3 hours
Full traffic	4 hours
Full chemical cure	7 days
Protect from contact with water	7 days
Adhesion to concrete	> 2.5N/mm <sup>2</sup>

#### Strength data (BS EN 13892-2)

	Compressive	Flexural
4 hours	37 N/mm <sup>2</sup>	-
5 hours	46 N/mm <sup>2</sup>	-
24 hours	74 N/mm <sup>2</sup>	30 N/mm <sup>2</sup>

#### Slip Resistance (BS 8204-6 Annex B)

Unsealed	
Dry	PTV 65
Wet	PTV 59



# RonaFloor Epoxy Floor Mortar Rapid

## Rapid cure epoxy floor screed and floor repair mortar

### Mixing

RonaFloor Epoxy Floor Mortar Rapid is supplied as a three component material. Mix Component A with a slow speed drill and MR3 paddle to disperse the pigments. Pour the entire contents of the resin and hardener containers into a mixing vessel and continue mixing until streak free. Gradually add the supplied aggregate to the mixed resin and mix in a forced action mixer such as CreteAngle, Baron or Daines Mixall until homogeneous. Single packs may be mixed with a 1kW slow speed drill fitted with an MR4 type paddle. The product has been designed to be used as a full pack; do not part mix. Mixing time should be approximately 3-4 minutes.

### Application

Place the mixed material onto the primed surface. Spread evenly in one direction with a steel float, ensuring good compaction. The surface should be closed and trowel marks removed. Overworking will adversely affect the appearance of the surface.

Tools should be cleaned immediately with xylene based solvent or RonaDeck Tool Cleaner to remove uncured resin.

### Cleaning

The surface is lightly textured to provide slip resistance. Slip resistant resin floors cannot be cleaned by traditional methods and should be cleaned with a scrubber dryer, cold water power washer or similar. For additional information please refer to FeRFA Guide to Cleaning Resin Floors (FeRFA Guidance Note No:6). To ensure the suitability of any product, a sample area should be laid and its performance and ease of cleaning assessed.

To improve the cleanability of RonaFloor Epoxy Floor Mortar Rapid, and in wet areas, the surface may be sealed with an epoxy or polyurethane seal coat(s) from the RonaFloor range. Please note: over sealing may adversely affect the slip resistance.

### Colours

RonaFloor Epoxy Floor Mortar Rapid is supplied in grey, black and a natural aggregate beige finish.

Additional colours are available subject to minimum order quantity and surcharge.

### Colour Variation

Packs should be used in strict batch rotation. Individual areas or rooms should be treated with material from a single batch to avoid the inevitable minor variations in shade between batches. (see FeRFA Guide To The Specification And Application Of Synthetic Resin Flooring).

### Shelf Life & Storage

Store in unopened containers in dry warehouse conditions between 10°C and 25°C and protected from direct sunlight and frost. Shelf life is approximately 24 months in these conditions. To achieve optimum performance and appearance in shade and sheen, store and apply material at a constant ambient temperature, humidity and with the same air movement throughout the project. Avoid storage and application at air, substrate and material temperatures below 10°C.

### Health & Safety

Refer to product Safety Data Sheet

### Site attendance

When on site Ronacrete representatives are able, if asked, to give a general indication of the correct method of installing a Ronacrete product. It is important to bear in mind that Ronacrete Ltd is a manufacturer and not a contractor and it is therefore the responsibility of the contractor and his employer to ensure he is aware of and implements the correct practices and procedures to ensure the correct installation of the product. Liability for correct installation lies with the contractor and not with Ronacrete Ltd.

The information detailed in this leaflet is liable to modification from time to time in the light of experience and of normal product application, and before using, customers are advised to check with Ronacrete Ltd, quoting the reference number, that they possess the latest issue. Any person or company using the product without first making further enquiries as to the suitability of the product for the intended use does so at his own risk, and Ronacrete Ltd can accept no responsibility for the performance of the product, or for any loss or damage arising out of such use.