

## Ronafix Pre-packed Concrete Repair Mortar (D) (Formerly Ronafix Pre-bagged Mix D)

### Pre-packed mortar for concrete repair

#### Description

Ronafix Pre-packed Concrete Repair Mortar (D) and primer are supplied complete with dry powder and polymer gauging liquid. Ronafix Pre-packed Repair Mortar should be bonded with Ronacrete Standard Primer. Use to repair defective, spalled and damaged concrete and protect reinforcing steel with a durable repair mortar.

#### Summary Application Procedure

1. Prepare and assess the substrate.
2. Break out the concrete to uncorroded steel.
3. Prepare and prime the steel with Ronacrete Standard Primer.
4. Square cut the concrete and remove unsound material.
5. Dampen the substrate and remove the excess.
6. Prime the substrate and steel with Ronacrete Standard Primer.
7. Mix and apply the mortar to the tacky primer.
8. Cure.

#### Preparation

The substrate on which the Ronafix mortar is being placed must be structurally sound, stable and strong enough to support the weight of the mortar and the item being bedded. Surfaces should ideally be prepared by mechanical abrasion, e.g. scabbling, jet washing, grit blasting or similar means to expose the aggregate and provide a mechanical key. All coatings, grease, oil, dirt and deleterious material must be removed. The prepared surfaces must be thoroughly dampened with clean water. All surplus water must be removed before the primer is applied.

#### Priming

Mix Ronacrete Standard Primer with a slow speed drill and spiral paddle attachment, adding the powder component to the supplied gauging liquid and when evenly dispersed, apply evenly to the damp surface, ensuring full coverage, immediately before applying the mixed Ronafix Pre-packed Concrete Repair Mortar. Exposed steel must be primed after being prepared and again when the concrete is primed. Only prime an area which can be covered by the mortar within the open time of the primer.

**Note that the primer must not be allowed to dry. If it dries it must be thoroughly cross hatch scratched and reapplied.**

#### Mixing

Ronafix Pre-packed Concrete Repair Mortar must be mixed in a forced action mixer (eg. Paddle or Creteangle pan mixer), or with a high power, slow speed drill fitted with a spiral paddle attachment. Mix the dry components and when evenly dispersed, add the required amount of the supplied gauging liquid, to provide sufficient workability for compaction and surface finish. The components must be correctly mixed, significant reduction of the gauging liquid will result in incomplete cement hydration and voiding, with a consequent reduction of the physical properties of the mortar.

Apply the mortar to the wet primer in layers, to achieve the required thickness. Reform the original profile of the concrete and cover reinforcing steel. Layer thickness will vary according to the shape, size and orientation of the repair, mixing and application technique.

Fully texture the face of intermediate layers, allow to gain strength and apply a coat of Ronacrete Standard Primer immediately prior to applying the next layer.

Pack in the mortar by gloved hand or trowel, ensuring full compaction. Finish with a suitable float. A sponge finish may be applied if a Ronabond fairing or anti-carbonation coating is to be applied.

Cure the finished repair with Monocure 50 or tight fitting polythene.

#### Working Temperatures

May be used in most weather conditions and in a wide temperature range, typically from +3°C to 25°C and above. Note that at high ambient temperatures the working time of the mix will be reduced; it will be increased at lower temperatures. Ideally materials should be stored between 10°C and 20°C before use.

#### Health and Safety

Contains cement, protective clothing, such as goggles & face mask, overalls and barrier cream/gloves, is recommended to prevent any effect from prolonged skin contact, inhalation or ingestion.

#### First Aid

In the event of skin contact, wash with soap and water. Seek medical advice if irritation or pain occurs. In the event of eye contact, irrigate with plenty of clean water and seek immediate medical advice. In the event of ingestion, do not induce vomiting. Seek immediate medical advice.

#### Storage

Store unopened between 5°C and 25°C in dry warehouse conditions and out of direct sunlight. In these conditions shelf life is approximately 6 months.

#### 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 an application 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 and that liability for its correct installation lies with the contractor and not with Ronacrete Ltd.