

R2

POLYWED 600

NON SHRINKING REPAIR MORTAR FIBER REINFORCED

REPAIR

Repair extra -R1 is a one component, cementitious, ready-to-use, silica fume enhanced, fiber reinforced, high strength, shrinkage compensated repair Polywed 600-R2 is a one component, free-flowing, high strength, non-shrink, cement based micro-concrete with a maximum aggregate size of 2.5 mm.

Suitable for use in hot and tropical climatic conditions.installations.

USES

Polywed 600-R2 is used for the structural repair of deteriorated concrete. It is ideal for casting sections or members where the volumes required are too large for conventional grouts, and too small and inaccessible for normal concreting applications. A typical application is the re-profiling of damaged concrete members, using formwork. Also suitable for base plate grouting where thickness exceeds 50 mm.

ADVANTAGES

- One component, requires the addition of water only
- Reduced waste and risk of mixing failures
- Easy to mix, apply and finish
- Economical
- Excellent adhesion
- Shrinkage compensated
- Rapid strength development
- Compatible with the properties of typical concrete
- Vapour permeable

PRODUCT INFORMATION

Composition	Cementitious material with fiber
Packaging	25 kg bag
Appearance / Colour	Grey Powder
Shelf Life	12 months from date of production
Storage Conditions	Store in original unopened packaging in cool and dry conditions between 5 °C and 35 °C. Protect from direct sunlight, heat and condensation.
Density	Fresh mortar density: ~2.27 kg/l (at +25 °C)

TECHNICAL INFORMATION

Compressive Strength	65 N/mm ² (BS 1881)
Expansion	0.055% @ 28 Days (ASTM C157)
Tensile adhesion strength	1.2 N/mm ² (BS 1881)

APPLICATION INFORMATION

Mixing Ratio	3.0-4.0 L of water per 25 kg bag
Yield	11L

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APPLICATION INSTRUCTION

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete surfaces should be clean, sound and free from oil, grease, cement laitance and all loosely adhering particles. Absorbent surfaces should be saturated thoroughly with clean water. Metal surfaces (iron and steel) should be free from scale, rust, oil and grease.

MIXING

Always empty the full contents of the bag into a suitable mixer. Mix dry for 3 minutes before adding the water. Add 3.0 to 3.2 litre of water per 25 kilogram bag. Mixing can only be achieved using either a slow speed drill (400 to 600 rpm) fitted with a clean, rust free, mixing paddle, or a forced action mixer. Do not mix by hand or mix part bags! For best results, first add 2.0 to 2.5 litre of water and mix for at least 3 minutes or until the larger aggregate has thoroughly dispersed and a uniform, free flowing consistency is obtained. Then add remaining water and mix for an additional 2 minutes.

APPLICATION

Apply Repair extra mortar by hand trowel or spray methods for the repair of horizontal, vertical or overhead concrete surfaces.

At the time of application, the substrate surfaces must be saturated surface dry (SSD) but hold no standing water.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

BASIS OF PRODUCT DATA

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 AND SAFETY INFORMATION

For information and advice on the safe handling storage and disposal of chemical products, users shall refer to the most recent MSDS containing all the details.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application.



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