CONSTRUCTION CHEMICALS

Reinforced Screed

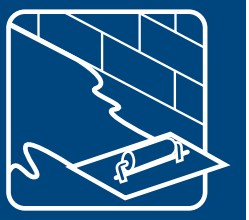
Impact resistant flooring compound

Packaging

Mixing

Application

Uses



Substrates

Concrete
Masonry

Description

A premixed, fast setting, cement based, resin modified screed. Blended with alkali resistant glass fibres and hard wearing aggregates to make a hardwearing impact, crack and chemical resistant floor and wall repair compound.

Uses

Formulated for repair work where abrasion, chemical, temperature and crack resistance are required and where the need to place the surface back into service quickly is essential. **Reinforced Screed** is suitable as a patching and resurfacing material for concrete roads, industrial and factory floors and dairy and piggery floors.

Features

- Strong, durable, crack resistant
- Can be feather edged
- Aggregate can be added when using over 5 mm thick
- Water resistant
- Fast setting allows use within 6 hours of application
- Chemical resistant - from pH4 to 12
- Temperature resistant - from –100° to 1,200°C
- Wear resistant - three times harder than concrete

Coverage (Approximate)

3mm thick - 5 kg/m^2
5mm thick - 8 kg/m^2

Performance Data

	1 day	7 days	28 days
Compression Strength (MPa)	28.3	62.7	79.3
Flexural Strength (MPa)	5.64	9.94	12.43
Hardness (Brinell)	30	52	54

Specification

The flooring compound shall be a glass fibre, reinforced cement compound with a minimum compression strength of 79MPa such as **Reinforced Screed** manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's instructions.

Surface Preparation

Surfaces must be firm and free from dirt, wax, oil, grease, paint and other contaminants.

Smooth and contaminated surfaces must be mechanically roughened then wash thoroughly with large quantities of water.

Wax and grease must be removed with industrial detergent.

Prime all surfaces with **Primax**.

When in doubt about the substrate preparation a test patch is recommended to test adhesion.

Mixing

Dilute **Acrybond** with water (50/50) and use as the mixing liquid. Gradually add, by sprinkling, the **Reinforced Screed** while stirring continuously. Mix until all lumps have dissolved and a thick creamy consistency is obtained. Use the mixture within 30 minutes - do not add water to retemper mix - discard unused mix after 30 minutes. For layers over 5mm add a course sharp aggregate to the mix material, e.g., granite chip, coarse river sand. Add up to 1/3 coarse filler to 2/3 **Reinforced Screed**.

Application

Pour the mixed screed on to the prepared floor and with a steel trowel at a sharp angle, force the mixture into the original concrete, then holding the trowel normally, flat spread the material to the desired finish in one application. Apply the screed when the temperature range is 5°-30°C and do not apply in direct sunlight or in hot weather conditions.

Curing

Normally curing is not necessary, but when applying thin coats, i.e. under 4mm thick and when the surface is exposed to direct sunlight, warm atmosphere or low humidity conditions, the surface must be kept moist or covered with an impermeable membrane for up to 24 hours as soon as the surface can be walked on.

Storage

Store off the ground in a dry, cool environment.

Shelf Life

1 year

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November 12