

Rapid Set 45

Packaging



Mixing



Application



Uses



Substrates

Concrete
Brick, Block
Rendered walls

Non-slump, fast set, patching and repair compound

Description

A fast setting, non-slump, cement patching and repair compound.

Uses

A fast set patching repair compound for concrete and masonry surfaces (cement render brick and block). Typical applications are; repairing concrete stairs; patching holes in floors and walls and for forming falls from feather edge to 45mm and for forming coves. Patching and filling different floor levels and repairing around windows, doors, pipes etc. Can be fortified with **Elastabond** to improve durability.

Features

- Develops high strength
- Low shrinkage
- Good bond to masonry surfaces
- Sets in 1 hour

Performance Data

	1 Day	28 Days
Compression Strength (BS4551) MPa	18.0	31.0
Tensile Strength (BS4551) MPa	4.0	6.0
Hardness (Brinell) MPa	54	78

Coverage (Approximate)

1.5kg/m² per 1mm thickness

Specification

The repair compound will be a non-slump, fast setting polymer modified cement system with a compressive strength of 31MPa, such as **Rapid Set 45**, manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's application instructions.

Surface Preparation

Surfaces must be firm and clean, free from dust, waxes, oil, grease, paint, excessive water and other contaminants. Smooth and contaminated surfaces must be mechanically roughened, washed thoroughly and allowed to dry. Prime all surfaces with **Primax**.

Mixing

Place 4.5 litres of water in a mixing container and add the 20kg of powder while stirring continuously. Mix thoroughly until a lump free, slump free mixture is obtained. Avoid using excessive water. Mix and place in 10-15 minutes at 20°C.

Application

When exceeding thicknesses of 20mm add 1/3 sharp washed sand up to 45mm. When filling holes and cracks, leave the patch slightly proud and trim off the excess after 15 minutes and finish with a wet trowel.

Set Time

Approximately 1 hour, depending on temperature, humidity and surface porosity.

Curing

Curing is not normally required but in direct sunlight and hot dry conditions, moist cure for 24 hours.

Precautions

Non-toxic but contains cement which contains silica. Wear gloves and appropriate respirator. Further information for this product is contained in the Material Safety Data Sheet. Refer; www.constructionchemicals.com.au

Shelf Life

1 year