

Patch Repair White & Grey

Technical Specification

Rapid Set / Low Shrink Repair Compound

PATCH REPAIR is a cementitious powder compound with the inclusion of a polymer to promote adhesion and resistance to passage of water and a water reducing agent to facilitate a low water cement ratio. The mortar sets within minutes and develops compressive strengths within hours in excess of fully cured concrete. PATCH REPAIR is available in colours GREY and WHITE. These can be blended to match most shades of concrete.

Advantages

- Rapid-set High-strength repairs to:
- Precast concrete units
- Damaged in-situ concrete
- Repairs to honeycombing
- Concrete pipe spigots and sockets
- Damaged concrete floors & steps

Application

Typical data

Mix Ratio (water/powder): 1: 6 by weight

Setting Time (250 cc mass): 10 mins @ 20°C, 15 mins @ 10°C, 25 mins @ 5°C

Compressive Strength (MPa) @ 15°C, 10 @ 1 Hr rising to 45 when fully cured

W/P Ratio 1:6 by weight 20 @ 3 Hrs, 35 @ 24 Hrs, 40 @ 28 Days

Yield for Estimating Purposes: 500 cc/kg, equivalent to 2000 Kg/m³

Instructions for Use

Ensure surface is sound, clean, and free from laitance, loose materials, oil, grease or other surface contaminants. If necessary hack surface back to reach a sound plane.

Damp down surface with clean water to minimise suction. Place a quantity of PATCH REPAIR into a clean container and mix in clean water little by little, using the minimum necessary, to achieve the required heavy paste-like consistency. If blending colours grey and white to achieve a colour match ensure the two powders are thoroughly blended before the addition of water. To avoid wastage do not mix more material than can be used within the setting time of the material.

PATCH REPAIR compounds are best applied in situations up to a maximum of 20mm thickness per layer. Immediately after completion of mixing apply by clean steel trowel pressing firmly onto surface smoothing and finishing with trowel or float kept moist and clean.

Clean tools and equipment with water before material has hardened. Due to moisture retention of the polymer no special curing procedure is generally necessary excepting in high ambient temperatures or windy conditions when it is advisable to take precautions to prevent rapid drying of the compound.

Coverage

Average of 500 cubic centimetres per Kg

Storage

Store in dry conditions and keep the container sealed when not in use.

Shelf Life

When stored correctly, the shelf life is 12 months for pails and 6 months for sacks

Specification

PATCH REPAIR is supplied by Simply Precast Ltd and shall be applied strictly in accordance with the manufacturer's instructions. For specific advice regarding any aspect of this product, please consult our Technical Department

Health and Safety

In common with other cementitious materials PATCH REPAIR is alkaline and therefore contact with skin and eyes should be avoided. If contact with skin should occur wash affected area well. Should material enter eyes irrigate thoroughly with clean water and if discomfort continues seek medical advice without delay. Refer to separate PATCH REPAIR Health and Safety sheet.