

Rapid Set / Low Shrink Repair Compound

ADOPATCH is a rapid set and low shrinkage repair mortar for either machine or hand applications. Adopatch is a blend of ordinary & specialist cements and the inclusion of a polymer and specialist admixtures to give a powerful bond to dry and damp concrete. Adopatch is a rapid setting repair mortar and develops compressive strengths comparable with fully cured concrete. ADOPATCH is available in colours GREY and WHITE. These can be blended to match most shades of concrete.

Adopatch is compliant with D.o.T. Highways Agency Spec. BD27/86 Clause 6.

Advantages

- Rapid-set High-strength repairs to:
- Precast concrete units, Damaged in-situ concrete, floors & steps
- Repairs to honeycombing, concrete pipe spigots & sockets
- Minimal shrinkage & contains no chlorides
- Rapid strength gain
- High bonding strength to concrete

Application

Typical data

Mix Ratio (water/powder): 4.5 litres water per 25 kg bag Adopatch. Add the Adopatch to the water while mixing. Mix to a putty like paste/consistency.

Setting Time < 45 minutes @20°C

Compressive Strength (MPa) after 28 days > 33N/mm²

Flex Strength 8.5N/mm² after 28 days

Yield for Estimating Purposes: 1m³ requires approx 74 x 25 kg bags = 1850kg Yield litre / 25kg : 13.5 litres

Class R2 EN 1504:3 Concrete Repair

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 ADOPATCH 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.

ADOPATCH compounds are best applied in situations up to a maximum of 25mm (range 5-25mm) 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

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Specification

Adopatch is manufactured by Adomast Manufacturing 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

A red arrow pointing to the right, located to the left of the "Health and Safety" header.

Health and Safety

In common with other cementitious materials ADOPATCH is highly alkaline and therefore corrosive. Contact with skin and eyes should be avoided. When handling & using suitable PPE including gloves, overall and goggles should be worn. 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 ADOPATCH Health and Safety sheet.