

# Marmoran

The Architects' Choice

## EASY-KEY

UNIVERSAL WATERPROOFING COMPOUND. STYRENE / BUTADIENE CO-POLYMER LATEX THAT HAS BEEN SPECIFICALLY DESIGNED FOR USE IN CEMENT COMPOSITIONS.



### PRODUCT INFORMATION

#### USES

- A water-resistant render for interior or exterior walls or basements prior to finishing coat.
- As a leveling to floors prior to laying tiles, wood & blocks.
- To patch and repair concreted areas.
- As a waterproofing compound on flat roofs and balconies and retaining walls prior to a finishing product.
- As a screed for industrial flooring, bathrooms and showers.

#### ADVANTAGES

- Adhesion to substrates, including dense impervious concrete.
- Resistance to water penetration.
- Tough and flexible.
- Resistance to certain chemicals.
- Slurry consistency therefore easy to apply by brush.
- Protects against salt penetration.
- Good anti-carbonation properties, non-corrosive to steel and iron.
- **LOW VOC LEVEL**



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PRODUCT CODE      ACB003

PRODUCT DATA INFORMATION SHEET

### PREPARATION

- Efficient surface preparation is essential to achieve high adhesive quality of the product.
- Concrete, mortar and masonry surfaces must be clean, free from grease and oil and loosely adhering particles.
- Saturate absorbent surface thoroughly with water.

### MIXING

- Prepare a mixture of sand and cement in equal proportions (1:1)
- Sand should be clean and fine (500 microns) and free from fibres.
- Use a clean container to mix 1 part EASY-KEY to 4 parts sand/cement mix i.e.  
Mixing Ratio: 1kg EASY-KEY to 2kg sand + 2kg cement mix
- Slowly add the powder component to the EASY-KEY while stirring with a slow speed mixer (500-600rpm).
- Mix until the slurry is free from lumps.
- Pot life of mixture: 2 hours workability.

### APPLICATION

- Apply with a block brush or a hard bristled brush.
- Whilst the surface is still damp, apply the first coat and leave to harden (2-6 hrs).
- After the second coat has been applied, finish off by rubbing down with a soft dry sponge.
- Clean tools immediately with water after use.

### CURING

- Protect freshly applied product against direct sunlight and strong winds.
- Use a damp hessian or polythene cover to aid curing for 3 days. Then allow to dry out.

### APPLICATION REQUIREMENTS

The coating should never be applied during adverse weather conditions, or on wet surfaces. Even if the weather seems fit for painting, there may be condensation if the temperature of the substrate is at or below the dew point (temperature at which the atmospheric humidity condenses e.g. as dew) the product should only be applied when the temperature of the substrate is at least 2 deg C above dew point. In hot climates, the coating should be applied during the morning and late afternoon hours and if possible away from direct sunlight. Variations in temperatures will affect drying times.

### PACKAGING

- 5 & 20 kg containers

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### PRODUCT DATA

<b>Composition</b>	Styrene butadiene co polymer
<b>Solvent Type</b>	Water
<b>Solids</b>	<b>Mass</b> 47%± 2 %
<b>VOC LEVEL</b>	<b>1g/L 0.05%</b>
<b>Drying Times @ 25 deg C, 65% RH</b>	<b>Surface Dry:</b> 2-6 hours <b>Hard Dry:</b> 24 hours <b>Over Coating Time:</b> 12-24 hours Higher temperatures will accelerate the drying times (approximately halved for every 10°C increase) Lower temperatures will retard the drying times (± doubled for every 10°C decrease)
<b>Theoretical Spreading Rates</b>	mix 1 part Easy-key to 2 parts sand and 2 parts cement This admix: 1-2 kg / m <sup>2</sup> This figure is indicative, and subject to applicator skill and substrate type and condition. Actual spread rates must therefore be determined by the Applicator.
<b>Shelf Life and Storage</b>	6 - 8 Months in unopened containers. Store in a cool dry and well ventilated place away from excessive heat or open flame. Do not allow to freeze.

**TRANSPORT** This product is non-hazardous in accordance with Transportation and Classification of Dangerous Goods Act (1996)

**HANDLING & SAFETY** This product is water based and non-toxic. Keep out of reach of children. It does contain chemicals that may be irritants to mammalian tissue appropriate protective clothing must be worn. Protect eyes and skin from exposure. If the product is being sprayed, ensure adequate ventilation and ensure the use of proper ventilated masks. Wash spillages immediately with water. Do not induce vomiting if swallowed. Consult a physician if irritation of skin persists or if product is ingested. Gather up environmental spillages, and dispose of in accordance with regulations of the local authorities.

**DISCLAIMER** All information contained herein is given in good faith, based on our specialised knowledge and experience. We reserve the right to effect changes to product and specification alike in the interest of product development and improving technology.