

Elastocrete P8J Waterproofing Kit

DESCRIPTION

Elastocrete P8J is a highly elastic, crack bridging and UV stable waterproofing and protective coating. It is a blend of cement, graded silica sands and a synthetic polymer dispersion supplied in an easy to mix 15 Kg kit.

FEATURES

- Crack bridging capability up to 3mm
- High flexibility and long term durability
- Resistant to carbonation and ingress of chloride ions
- Protects reinforced concrete against corrosion
- 100% waterproof but permeable to water vapour
- Excellent adhesion to most substrates
- Weather and UV stable
- Available in concrete grey and a limited range of colours
- Safe for food contact and for use in potable water storage vessels

AREAS OF APPLICATION

- Under tile waterproofing on balconies, bathrooms and shower cubicles.
- Parapet walls, flower boxes, water features and ponds.
- Waterproofing and corrosion protection of :
 - Beams and columns
 - Concrete ceilings and walls
 - Bridges, silos and concrete towers
 - Most civil structures
 - Farm dams and reservoirs

PROPERTIES

Packaging	15 Kg kit (10 Kg cement blend, 5 Kg Polymer dispersion)
Curing time	Touch dry in 30 – 45 minutes at 25°C, full cure in 7 days
Coverage	1,5 – 2 Kg/m ² /mm film thickness, DFT of 1mm per coat
Colour	Concrete grey and selected colours upon request
Toxicity	Non-toxic when mixed and fully cured
Water pressure resistance	Positive : 2,4 Bar Negative : 1,2 Bar
Shelf life	12 months from date of manufacture when stored under dry conditions

APPLICATION GUIDELINES

SURFACE PREPARATION

- A clean and sound structure is required, remove all oil stains and surface contaminants.
- It may be necessary to high pressure clean with water and detergent at 120 Bar and then rinse.
- The substate must be dampened prior to application, leave no standing water. Do not dampen between coats, remove any condensation water with a clean cloth.
- No additional priming is required on sound cement based substrates.

MIXING

- Pour most of the liquid component into a suitable sized mixing container.
- Slowly add all of the powder whilst stirring with an electric paddle mixer.
- Mix until a homogeneous slurry is obtained. The balance of the liquid can then be added to adjust the consistency of the final product.
- To obtain a more fluid consistency add water to a maximum of 1L per mix.
- Allow to stand for approximately 5 minutes before applying.

APPLYING

- Apply with a painter's block brush or a mohair roller.
 - Apply 2 coats of Elastocrete, waiting for the first coat to set-up before applying the second. A normal drying period of between 1 to 2 hours is suitable. It may be left for longer periods provided that no contamination of the first coat happens.
 - Each coat should be applied at a rate of 1,5 Kg/m² minimum.
 - Apply the first coat in a vertical motion and the second horizontally in order to effectively eliminate the possibility of pinholes.
 - The total thickness of the coating should not exceed 2mm DFT.
 - Elastocrete must be used within 45 – 60 minutes of preparation.
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RECOMMENDATIONS

- When coating substrates that show evidence of micro-cracking or which are likely to be subjected to dimensional changes, it is advisable to reinforce the first coat of Elastocrete with a product soaked open cell scrim cloth, then apply the second coat as above.
- High traffic areas should be protected against abrasion.
- Elastocrete is suitable for over-tiling, but a prime coat of Jaycrete P6J is recommended prior to tiling.
- Clean tools with water immediately after use.
- Substrate temperature range for application should be between 5°C and 35°C.
- Water tanks and ponds should be thoroughly rinsed after the 7 day curing period before filling.

HEALTH AND SAFETY

Elastocrete P8J powder is irritating to the eyes, respiratory system and skin. Avoid inhalation of dust and wear suitable respiratory protective equipment. The product is not classified as dangerous. Elastocrete P8J when mixed becomes highly alkaline therefore suitable protective measures in terms of gloves, clothing and eye protection must be worn.

For both components and mixed material avoid contact with skin and eyes. Wash affected areas with copious amounts of water after contact.

Consult our MSDS for complete health and safety information.

The information contained in this technical data sheet is to the best of our knowledge correct. NO GUARANTEE IS EXPRESSED OR IMPLIED. Users must satisfy themselves as to the efficacy of the product in their application.