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AQUAPRUF

Highly Flexible Cementitious Waterproofing

AQUAPRUF is a two component, highly flexible cementitious waterproofing system consisting of pure acrylic emulsion and powder blend of cement, fillers and polymer additives. The liquid and powder components are mixed on-site and applied by brush or roller on concrete, masonry, asbestos sheets, wood and steel substrates to provide an effective barrier against water penetration. It is available in grey and white colour.

ADVANTAGES

- Highly flexible. Cracks up to 1 mm width are bridged-over.
- Effectively seals concrete from capillary water and water under pressure – positive or negative side.
- Non toxic. Can be used in contact with potable water.
- Simple brush or roller application.
- Protects concrete structures in a marine environment.
- High resistance to carbon dioxide diffusion.
- Excellent anti-carbonation property.
- Formulation based on pure, styrene-free acrylic resins. Superior weathering properties – specially resistant to UV rays.
- Tough surface. Allows light to moderate pedestrian traffic.
- Resistant to chloride sulfate salts, grease, oils, alkalies etc.
- Water vapor permeable. Allows substrate to breath.
- Factory proportioned. Ready to mix at site.

USES

AQUAPRUF is used to provide a waterproof, chloride and carbon dioxide resistant flexible coating for concrete and masonry and as an anti corrosion coating for steel decks. **AQUAPRUF** is also used as a waterproof undercoat for stain-sensitive marble and granite flooring.

TYPICAL PROPERTIES

• Carbon Dioxide Diffusion Resistance (2mm thick)	410 meters
• Water Vapor Diffusion Resistance (2mm thick)	2.9 meters
• Water penetration (100 psi Pressure)	No penetration
• Chloride Ion Diffusion Coefficient	1.03×10^{-7} sq. cm/s
• Flexibility (6mm diameter mandrel)	No Crack
• Initial Cure	18-24 Hours
• Full Cure	3 Days

DIRECTIONS FOR USE

SURFACE PREPARATION

Substrate must be clean, sound and free from dust, dirt, laitance, curing compounds oil, grease, coatings and other foreign matters. Voids and cracks must be repaired first using ISOLA Cementitious repair systems. Substrate must be saturated with clean water at least 1 hour before coating. Any excess water remaining after saturation must be removed using air compressor, sponge or broom. In general cementitious substrate must be in a saturated-surface-dry condition prior to coating. Metal decks must be free from previous coating and rust. Light corrosion deposits must be grit blasted to near white standard of cleanliness followed by an air sweep using compressed air. Coating must be applied on metal substrate within 3 hours after grit blasting.

MIXING

First, put the liquid component in a clean container. Slowly add powder and mix simultaneously with a slow speed electric drill fitted with a paddle for at least 3 minutes until lump free.

APPLICATION

After mixing, apply AQUAPRUF on to the substrate using a stiff brush or one fourth inch nap roller at an average thickness of 1mm per coat. At least 2 coats (2mm total thickness) is recommended allowing first coat to dry for at least 4 hours.

CLEANING

AQUAPRUF can be cleaned-off from tools while still wet using water. If dried, coating should be removed mechanically.

COLOUR

Standard white and grey

PACKING/ COVERAGE

AQUAPRUF is available in 18 kg pack and will theoretically cover 11.3 square meters at 1 mm thick per coat (5.6 square meters per 2 coats; 2mm thick).

HEALTH/ SAFETY

AQUAPRUF is mildly alkaline and can be irritating to skin. Users are always advised to wear rubber hand gloves and eye protection. Accidental Splashes to the skin must be removed immediately with soap and water. Refer to MSDS for more information.

SHELF LIFE

At least twelve months when stored in warehouse condition in original, unopened pack below 32^o C.

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Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential

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