AVI AQUAKOTE

ELASTOMERIC, ANTI-CARBONATION PROTECTIVE COATING

DESCRIPTION

AVI AQUAKOTE is a topcoat of single component acrylic polymer based high performance elastomeric coating. The system cures to form a weatherproof coating with high diffusion resistance to carbon dioxide making it ideal for protecting lightweight Cementitious Fireproofing, MONOKOTE Commercial grade and AVIKOTE Petrochemical grade materials. It provides protection against aggressive atmospheric pollution and chloride ions and is breathable allowing moisture vapor to pass through.

RECOMMENDED USE

AVI AQUAKOTE system is recommended as an anti- carbonation, weather and water resistance coating suitable for protecting wide range of construction substrate both in

ADVANTAGES

- Cures to form an elastomeric membrane capable of facilitating movement in the substrate.
- Accommodates live crack movement up to 2mm.
- Suitable for wide range of construction substrates.
- Breathable coating.
- Fast and easy application.
- High elongation and recovery rate. Resistances to sulphate attack.
- Excellent carbon dioxide diffusion resistance
- High diffusion resistance to chloride ions. Long term UV protection.
- Non-hazardous – Water based acrylic formulations

TECHNICAL PROPERTIES

Solid content by volume	: 50%
Chloride ion Diffusion coefficient (60 days) (Taywood method)	: Nil
Reduction in water Absorption (ASTM C642)	: 92%
Reduction in chloride on Penetration	: 96%
Elongation (ASTM D412)	: 400%
Adhesion (ASTM D4541)	: 1 N/mm^2
Tensile Strength (ASTM D412)	: 3 N/mm^2
Overcoating Time	: 4hrs
Full Drying Time	: 24hrs

COLOUR

AVI AQUAKOTE topcoat is available in White, Grey and Beige colors.

COVERAGE

Coverage rates will depend on the surface profile. The recommended coverage is 0.20 liters per sq. met. per coat over troweled surface.

DIRECTIONS OF USE

Surface Preparation: All surfaces to be treated should be clean and free from all contamination detrimental to bonding.

AVIKOTE/MONOKOTE surface should be fully cured and dry with moisture meter reading at 4 or below.

AVI AQUAKOTE should be applied by roller or airless spray to the primed substrate to achieve a uniform unbroken coating. Two or more coats are recommended to achieve the required thickness and the coating should be applied perpendicular to each other. The time interval between the coats depends on the temperature and RH, however a minimum of 4 hrs., should be allowed @ 25 deg. C. It is

recommended that first coat be applied thinned down 10% to 15% on dry clean surface. Full concentrated second coat shall be applied to achieve the final finish.

CLEAN-UP

Clean tools and equipment with clean water before AVI AQUAKOTE dries.

STORAGE

AVI AQUAKOTE has a shelf life of 12 months, if kept in a dry, store in the original unopened packs.

Store in a cool, dry conditions, away from sources of heat and naked flames, in the original unopened pails

PRECAUTIONS & LIMITATIONS

- Ensure the temperature should be 3°C above dew point while application.
- Protect adjacent areas from overspray.
- Opened containers should be covered always when not in use.
- In high temperature, the containers should be kept closed to prevent skinning of top layer.