

Cemseal AC-H

Exposed Seamless Waterproofing System (Heat Resistant)

cemseal[®]
Your Construction Chemical Partner

The Product

Cemseal AC-H Heating Resistant Waterproofing Coating System is a specially formulated and newly developed acrylic polymers.

Single component liquid applied seamless elastomeric cross linking latex copolymer emulsion designed as exposed waterproofing and heating resistant coating system.

It is dramatically reduces solar heat absorption in either air-conditioned or non air-conditioned buildings. It takes the majority of the heat load off a building's skin and reduces temperatures to approximately that of outside shade.

Uses

- ◆ Metal / Steel roof
- ◆ R.C. flat roof
- ◆ R.C. gutter
- ◆ R.C. canopies
- ◆ R.C. planter box
- ◆ New or old masonry and concrete
- ◆ Terraces, balconies and services yards.
- ◆ External decks, landscaped area.
- ◆ External / Internal wall.

Advantages

- ◆ UV and Weather Resistance.
- ◆ Water based & environmental friendly
- ◆ Easy application, by brush or trowel or roller
- ◆ Excellent adhesion to all sound and prepared substrates such as galvanized / metal roofs, asphalt or aluminium coatings, concrete or cement roof tile and many roofing materials.
- ◆ Having a high rate of water vapor transmission which permits moisture in the substrate to escape without causing blistering, peeling or flaking.
- ◆ Prevention of ravages of acid rain, freeze-thaw, cycles, sunlight, bacteria and fungus.
- ◆ Fully bonded to substrate, water cannot flow underneath to the membrane.
- ◆ No mixing required
- ◆ Very economical
- ◆ Fast drying time.
- ◆ Non-toxic.
- ◆ Available in various color

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Technical & Physical Data

Colour	Grey, White and etc.
Resin	Acrylic
Elongation at break	120%
Reflectivity	85%
Curing Time	12 hours
Application Temperature	10°C to 50°C
Solid Content	> 60% by weight
Density	1.30 kg/liter
Packaging	20 kg/pail
Shelf Life	12 months of kept in a cool dry sheltered place

Method of Statement

Substrate Preparation

- ◆ The surface shall be dry, clean, even and free of cavities.
- ◆ Sweep and vacuum or power wash surface to remove dirt and dust.
- ◆ All cracks, seams and joints shall be sealed by Cemseal AC-H with another layer of reinforcement matt extending at least 100mm on each sides or polyurethane sealant which is compatible.

For Concrete / Masonry

- ◆ The surface to receive Cemseal AC-H shall be structurally sound and have a light steel-trowel followed by a fine hair broom or equivalent finish.
- ◆ All voids, cracks and fillet edges, shall be repaired to ensure the surface is sound, even and clean.
- ◆ Cut out roof blisters and repair with acrylic embedded in polyester fabric or polymer concrete.
- ◆ All cracks and joints shall be sealed with Polyurethane sealant, which is compatible with Cemseal AC-H. All shrinkage & non-moving cracks under 2 mm shall be pretreated with Cemseal AC-H follow another layer of reinforcement matt extending at least 100mm on each side of the crack.

For Metal / Steel Surface

- ◆ Interface between metal flashing and concrete may be sealed with Cemseal AC-H reinforced by imbedding a wide strip of fiberglass matt.

Application

- ◆ Dilute one (1) portion of Cemseal AC-H with three (3) portion of clean water and then plaster directly to the surface to be waterproofed, in order to improved the bonding (as Primer).
- ◆ Apply two (2) coats Cemseal AC-H by a brush, roller, squeegee or conventional airless spray equipment with a coverage of 1.00kg/m².
- ◆ Never apply more than 3kg/m² of Cemseal AC-H in one single layer
- ◆ Over coating shall be done after each coat is dried for approximately 8 hours or more.
- ◆ The application shall be done in a criss-cross manner between coats.
- ◆ Apply uniform in a continuous film to avoid thin spot. Care must be taken to ensure that pinholes and potholes are separated treated.

Others Application

To consult the local Cemseal's representative.

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