

### DESCRIPTION

HIGH COAT- R10 is a Rubber Modified Bitumen Emulsion Coating, when emulsion are used in the field, water evaporates and Emulsifier with bitumen retained in the surface dries to form a tough, seamless, flexible water proof coating. It conforms to the requirement of ASTM Standard.

### FEATURES

- Cold applied
- Easy to apply
- Good adhesion to most building substrates
- Can be applied on damp substrates
- Excellent resistance against chlorides and sulphate ions.
- Water based and Non flammable
- Can be applied in closed areas.
- Forms a seamless and joint free protective coating.

### APPLICATION

High Coat R10 is used for a wide range of application which includes the following:

Water proof coating for sunken portions and water bodies.

Protective coatings for Concrete foundations.  
Damp proof seamless membrane coating for concrete external roofs.

Vapor proof barrier coating for interior and exterior floors and walls.

Primer coating for Concrete sloped roof before aesthetic singles roofing.

The application temperature should be between 5 - 45°C. Surface shall be cleaned thoroughly of all contaminants like dust, fine sand, oil and greases. Surface shall be free from surface imperfections and protrusions like nails, sharp stone edges, voids, etc.,

**Priming:** First coat is recommended to apply a priming coat prior to the application of the Regular HIGH COAT R10 coating on the substrate. The primer can be prepared in the site by diluting HIGH COAT R10 with 20% water and apply as the primer. For very dry and porous substrates apply two coats of this primer. The primer can be applied to damp or freshly cast concrete surfaces also. However, it should not be applied on waterlogged or flowing water areas. Allow to dry completely of the primer coat before regular coating.

**Foundation Damp proofing:** Thoroughly stir the contents of the pail/drum before application. Depending on the dry film thickness required, apply the rubberized bitumen emulsion coating @4-1m<sup>2</sup>/kg/coat. Subsequent coats shall be applied only after the previous coat dries off completely and shall be applied at right angles to the previous coat. Leave the coating for curing for a minimum period of 48 hours before applying any protection board or backfilling. Make sure that there should not be any damages while second coat or protection layer fixing. However, if the coating is damaged, the area can be readily over coated provided the surface preparation is done properly.

**Protection:** HIGH COAT R10 coating should be protected from getting damaged due to the ongoing site activities and during backfilling. Coating laid on horizontal surfaces can be protected either by a cement sand screed (50-30mm thick) or by an asphaltic protection board or Non-woven Geotextile fabric.

### COVERAGE

The coverage varies depending on the surface condition: Coverage: 4m<sup>2</sup>/kg/coat will give dry film thickness of 125 microns.

## CLEANING

Clean all tools immediately after use with water. Hardened material can be cleaned with a solvent.

## STORAGE

The pails/drums must be stored in a covered area, away from direct sunlight, UV and other sources of heat. The shelf life of the product is up to 12 months from the date of production. Excessive exposure to sunlight and UV will result in the deterioration of the product and reduce its shelf life.

## HEALTH & SAFETY

Protective clothing such as gloves and goggles should be worn when handling the coating. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting. Call for medical help immediately.

## SUPPLY

High Coat - R10 20kg pail, 200kg steel drum.

## CAUTION

Do not freeze. Avoid prolonged contact with skin. Avoid contact with eyes. Do not take internally. Keep container closed when not in use. Keep out to reach of children.

PROPERTIES	TYPICAL VALUE	TEST STANDARD
Form	Thixotropic Viscous Liquid	Visible
Color	Dark Brown	Visible
Density [g/cc]	1.04± 0.02	ASTM D2939
Solid Content[%]	505±	ASTM D2939
Rubber Content [%]	>10 -	
Elongation[%]	>30	ASTM D412
Drying Time[Hrs]	48	
Curing Efficiency [Kg/m <sup>3</sup> ](water loss)	<0.50	ASTM C309
Application Temp. [°C]	5 to 45	-
Service Temp. [°C]	-5 to 60	

# All values given are subject to %10-8 tolerance

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