

SAB[®] Coat HP Acrylic 213

Elastomeric Waterproof & Protective Coating Based on Polyurethane Dispersion (PUD)

Description

SAB[®] Coat HP Acrylic 213:

Is a liquid applied elastomeric waterproof and protective coating based on polyurethane dispersion (PUD)

The polyurethane is modified with specially selected polymers to form a tough, flexible and durable coating. It is completely free of hazardous ingredients.

Usage:

Waterproofing or vapor barrier protection of exposed roofs, domes, terraces, balconies, corrugated sheets and wet areas like kitchens, bathrooms & toilets etc.

As SAB[®] Tron insulation systems methodology, we use it as a final finishing coat due to its qualification against UV rays, that makes it particularly suitable to insure thermal and moisture protection



ADVANTAGES

- One component; ready to be applied directly from the can by using the spraying machine.
- Ready to use / apply single component product
- Forms a highly elastomeric, tough and resilient membrane.
- Environment friendly
- Fast surface hardness, no tack surface, low dirt pick-up.
- Excellent crack bridging properties
- Exhibits high resistance to weather conditions and good resistance to UV radiation
- Good adhesion and elastic recovery. Excellent resistance to water and vapor.
- Good chemical resistance against diluted acids, oil, salts, bacteria and common fuels.

Technical data SAB[®] Coat HP Acrylic 213

Color	White (Colors on request)
Solid Content [%]	> 60
SRI (Solar Reflective Index)	> 80
Elongation [%]	400 (+/- 30)
Tensile Strength [N/mm ²]	2.00 (+/- 0.2)
Pull Off Adhesion [N/mm ²]	1.20

(at concrete failure)	
Peel Off Adhesion [N/mm]	2.0
Crack Bridging [mm]	1.5
Hydrostatic Pressure @ 5bar (60m)	No leakage
Chemical Resistance	Dilute acids & alkalis, sea water
Full cure [days]	7
Application Temperature [°C]	5 to 35
Service Temperature [°C]	-20 to 70

(The properties shown below were obtained under laboratory conditions).

All values given are subject to 10% tolerance

PREPARATION OF SURFACE

Surfaces must be cleaned and made free of dust, dirt, moss, oil, grease and other loose particles. This can be achieved by grit/sand/shot blasting. As a minimum, vigorous wire brushing should be employed. All pin holes and surface defects shall be repaired with a suitable concrete repair mortar.

Priming

SAB[®] Coat HP Acrylic 213 does not require priming as such and can directly be applied onto the concrete surface. In case of highly porous surface, a priming coat is recommended to seal the pores and stabilize the surface.

The primer coat can be produced on site by diluting SAB[®] Coat HP Acrylic 213 with water (20% by weight). Apply the primer coat @ 4m²/ Kg and allow to dry.

The primer coat also functions as an adhesion promoter for the topcoat. It can be applied by a brush, roller or airless spray and allowed to dry completely before the application of subsequent coats.

Mixing

SAB[®] Coat HP Acrylic 213 is a single component product but mix the contents of the pail thoroughly prior to application to remove any sediment. A slow speed drill and suitable paddle mixer shall be used to avoid the formation of air bubbles.

APPLICATION AND CLEANING OF TOOLS

The coating can be applied with a brush, roller or airless spray and shall be applied in a minimum of 2 coats. Apply the first coat of undiluted material at a coverage rate of 1kg/m²/coat to get an approximate dry film thickness of 0.5 mm.

It is important to ensure that each coat is completely cured before applying subsequent coats. The second coat should be applied at right angle to the first at the same coverage rate, to ensure a full unbroken coating to the substrate.

Curing

SAB[®] Coat HP Acrylic 213 It is important to ensure that coat has been totally cured (i.e-min 6 hours at 30°C). will achieve its full strength after a curing period of 7 days.

Clean all tools with water after use.

HEALTH AND SAFETY

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles shall be worn.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. There are no known health hazards associated with SAB[®] Coat HP Acrylic 213.

PACKING AND STORAGE

Store under cover, out of direct sunlight, clear of the ground on pallets and protect from extreme temperatures. In tropical climate the product must be stored in air-conditioned environment (<25°C).

Shelf life is 12 months when stored as above.

PACKAGING

20 kg & 25 Kg Pails & 200 Kg Drum

COVERAGE

1Kg /m² at 0.5 mm thickness.

Two coats will give a combined thickness of 1mm