EXTERIOR SILICONIZED ACRYLIC LATEX COATING

RTB-694-S

A single-pack, high performance water-based Silicone-modified breathing acrylic latex coating with hydrophobicity and dust releasing performances as well as excellent adhesion and exceptional chemical, moisture, weather and ultra-violet radiation resistances in atmospheric service.

USES AND SUITABALE PRIMERS

Recommended Uses	This coating can be used as a protective and decorative coating for concrete surfaces and other masonry substrates, especially in aggressive, polluted and coastal environments.
Suitable Primers	RTB-693-S (Siliconized Breathing Sealer)

CHEMICAL COMPOSITION

Type of Binder	Water-Reducible Silicone-Modified Acrylic Resin	Solid Content	64 ± 1% By Weight
Number of Component(s)	1 Component		50 ± 2% By Volume
Curing Mechanism	Solvent Evaporation and Polymerization	Flash Point	---

PHYSICAL PROPERTIES

Finish	Flat
Colour	Wide range available according to the RAL colour system.
Specific Gravity	1.40 ± 0.05 gr/cm³

APPLICATION DETAILS

Surface Preparation	All oil, grease, dirt and other contaminants must be removed from the surface and dried. RTB-788 (Ronass Epoxy Pink Putty) is recommended.
Theoretical Consumption	225 gr/m² @ 80 Microns DFT

Paint Application

Methods	Airless Spray	Air Spray	Brush	Roller
Nozzle Size	0.013" – 0.017"	1.80 mm	---	---
Pump Ratio	1 / 45	---	---	---
Air Pressure	3 – 4.5 Bar	3 – 5 Bar	---	---
Thinning	20 – 25% Water	40 – 50% Water	40 – 50% Water	40 – 50% Water

Film Thickness

	Recommended	Minimum	Maximum
Wet Film Thickness (µm)	160	120	200
Dry Film Thickness (µm)	80	60	100

Drying Time @25°C

Dust Free Time	Tack Free Time	Dry to Handle	Recoating Interval
30 Minutes	1 Hour	---	Min. 8 Hours

**Drying time calculated at 25°C according to ASTM test method D-1640 for 100 µm WFT*

Application Limits

Relative Humidity	Min. ---	Max. 80%
Temperature	Min. +5°C	Max. +35°C
Substrate Temperature*	Min. +5°C	Max. +45°C

**Please note that the substrate temperature should be at least 5°C above the dew point*
**Please note that the relative substrate humidity should be lower than 5%*

Recommendations	Clean tools thoroughly before and immediately after use with plenty of water.

PACKING, STORAGE AND SAFETY

Packing	20 Litres Containers (10 kgs Net)
Storage Conditions	To be stored in cool and dry conditions within a temperature range of +5°C minimum and +40°C maximum in original sealed containers. Keep away from freezing temperatures.
Shelf Life	At least 12 months after delivery in original sealed containers and proper storage conditions with temperature of 25°C.
Safety	Personal protective equipment is recommended when applying paint. Avoid painting in the open area while it is raining or stormy. If some paint remains in the can. Close it tightly to prevent drying and keep it safely for next use.