

SUIPA ACRYLIC PAINT

Acrylic Polymer-Based Elastomeric Exterior Coating with Superior Protective Properties, Engineered for Reinforced Concrete and Plastered Surfaces

PRODUCT DESCRIPTION

SUIPA ACRYLIC PAINT is a single-component exterior coating material composed of 100% acrylic polymer, featuring elastomeric properties that safeguard reinforced concrete elements from the impacts of freezing, carbonation, and various salt-related damage.

APPLICATIONS

- In vertical applications in outdoor environments,
- It serves as the final layer of decorative coating in thermal insulation systems.
- On the exteriors of buildings, villas, hotels, and factories,
- It is utilized as a decorative coating on concrete, exposed concrete, plaster, and stone surfaces.

FEATURES

- It possesses the capability to bridge cracks up to 0.30 mm,
- It forms a flexible, UV-resistant decorative coating,
- It mitigates reinforcement corrosion due to low CO₂ diffusion,
- It safeguards the structure against carbonation and various salt-related damages,
- A coating thickness of 0.40 mm exhibits a carbon dioxide (CO₂) diffusion resistance equivalent to that of 20 cm thick concrete,
- SUIPA ACRYLIC PAINT demonstrates an elongation of 300% of the initial film thickness,
- It achieves 98% optimal elasticity within 24 hours,
- It withstands freeze-thaw cycles,
- It boasts high durability,
- It is vapor permeable, facilitating the easy drying of the applied surface,
- It maintains crack-bridging properties even at freezing temperatures,
- It is free of solvents,

SURFACE PREPARATION

Care must be taken to ensure that the application surface is solid, dry, load-bearing, dust-free, clean, and level. The surface must be meticulously cleaned of any oil, grease, rust, and paraffin residue that could compromise adhesion and must be devoid of loose particles. Appropriate repair mortars should be employed on uneven surfaces. Reinforced concrete surfaces must be permitted to complete their 28-day curing period.

MIXING AND PREPARATION OF PRIMER

- SUIPA ACRYLIC PAINT must be mixed with a mixer at 400-600 rpm prior to use.
- It is ready for application and should be shaken gently before use.
- Water must never be added to SUIPA ACRYLIC PAINT.
- The surface must be clean and dry. Primer should be applied in two coats to the surface.
- SUIPA ACRYLIC PAINT should be applied in two coats using an appropriate roller on primed surfaces.

MIXING AND PREPARATION OF PRIMER

SUIPA ACRYLIC PAINT should be applied in a single coat using an appropriate roller or spray machine. The application is finalized by applying a second coat after 5 to 6 hours.

TECHNICAL SPECIFICATIONS

Structure of the Material	Advanced Acrylic Polymer		
Color	White-Grey-RAL	6021-	
Density	1024	2001-1017	1.40
SUIPA ACRYLIC PAINT D	kg/liter 1.20 kg/liter		
SUIPA ACRYLIC PAINT G			
Water Vapor Permeability			
mH2O (DIN 53 122)			
SdCO2 (200um DFT)			
CO2 Permeability			
SdCO2 (200um DFT)	480 0.10 m Air Layer		
Application	533.000 0.107 m Air		
Ground Temperature	Layer +5 °C +25 °C -20		
Service Temperature	°C +120 °C		
The values provided are applicable at +23°C and 50% relative humidity. Elevated temperatures reduce the duration, whereas decreased temperatures extend it.			

CONSUMPTION

- Minimum thickness necessary for establishing a protective coating against carbonation:
- SUIPA ACRYLIC PAINT D: 200 – 300 microns
- SUIPA ACRYLIC PAINT G: 400 microns (This coating thickness must be attained in two layers.)
- Consumption is directly proportional to the surface smoothness.
- SUIPA ACRYLIC PAINT D: 0.400-0.500 kg/m² in two layers
- SUIPA ACRYLIC PAINT G: 0.700-0.800 kg/m² in two layers

PACKAGING

- 20 kg of plastic

SHELF LIFE

- 12 months from the date of production when stored under suitable conditions.
- Once opened, packages should be resealed and consumed within 1 week.

SHELF

It should be maintained in its unopened original packaging, in a cool, dry environment, safeguarded against frost. For short-term storage, a maximum of three pallets may be stacked vertically, and shipments should adhere to a first-in, first-out protocol. For long-term storage, pallets must not be stacked.

WARNING

During application, it is essential to wear work clothes, protective gloves, and goggles that adhere to Occupational Health and Safety regulations. Avoid contact with skin and eyes during both storage and application. In the event of contact, wash the affected area immediately with ample soap and water. If ingested, seek prompt medical attention. Food and beverages should not be permitted in application areas. Store out of reach of children.