



SUIPA

Construction Chemicals

SUIPA PAINTGUARD

Acrylic Resin-Based, Single-Component, Precast Concrete and Exposed Concrete Coating

PRODUCT DESCRIPTION

It is a UV-resistant, high-protective floor and wall paint based on acrylic resin and containing solvents, designed to safeguard precast concrete, exposed concrete, and asphalt surfaces.

APPLICATIONS

- Vertical, horizontal, and ceiling applications in both interior and exterior environments,
- Protection for all varieties of concrete, precast concrete, and exposed concrete surfaces,
- Self-leveling screed and micro-concrete surfaces,
- Surface-hardened concrete and field concrete surfaces,
- Particleboard panel surfaces,
- Asphalt-covered and helicopter-finished surfaces,
- Sheet metal, steel, and metal surfaces,
- Exposed concrete ceiling surfaces with cassette molds, Parking lot surfaces.

FEATURES

- Simple application (using a roller or airless spray machine)
- Semi-matte finish that typically does not necessitate a primer, although an epoxy primer may be used in specific instances
- Its water vapor permeability facilitates breathability and prevents moisture accumulation between layers
- Resistant to abrupt short-term temperature fluctuations
- Exceptional abrasion resistance
- Capable of withstanding freeze-thaw cycles and UV exposure
- High resistance to oil and fuel residues, with a non-slip surface
- Rapid protection and efficient application between layers
- Strong adhesion, deeply penetrating applied surfaces to prevent dusting.

APPLICATION PROCEDURE/SURFACE PREPARATION

The concrete to be applied must be a minimum of 28 days old, and the moisture content of the concrete surface should range from 4% to 6%. All loose particles, oil and paint residues, and cement grout must be eliminated. Any problematic areas on the concrete must be repaired in advance. Residues, roughness, and polished screed on the concrete surface should be removed using tools such as sandblasting machines and diamond drum polishing machines, ensuring the surface is roughened and wiped clean. The entire surface must be meticulously cleaned with an industrial vacuum cleaner. Washing the surface with water is strictly prohibited.

TO COMBINE

SUIPA PAINT GUARD is a single-component product. Prior to mixing, confirm that the material temperature is between +15°C and +25°C. Thoroughly mix SUIPA PAINT GUARD for 3-4 minutes using a mechanical mixer operating at 300-400 rpm, equipped with an epoxy/polyurethane resin mixing tip, while avoiding air entrapment, until a uniform color is attained. The material is now ready for application.

APPLICATION PROCEDURE

- After thoroughly mixing SUIPA PAINT GUARD as instructed, it should be applied to a clean surface using a roller or brush.
- When applying SUIPA PAINT GUARD via spraying, a cellulosic thinner should be incorporated into the material. WATER MUST NEVER BE ADDED TO THE MATERIAL.

TECHNICAL SPECIFICATIONS

Composition of the Material	Acrylic Resin
Color	White - Gray - Anthracite Gray - Beige
Density	1.00 kg/lit (at 200 °C)
Adhesion Strength (Concrete) (28 days):	4.5 N/mm ²
Adhesion Strength Without Primer (Concrete) (28 days):	6.3 N/mm ²
Capillary Water Absorption on Primer	
Temperature of the Ground for Application	
Service Temperature	
Use Time (+20°C):	0
Temperature of the Ground for Application:	+10°C, +30°C
Service Temperature:	-20°C, +80°C
Use Time:	60 min
Walkable Time (+20°C):	24 hours
Full Curing Duration (+20°C)	7 Days

Note: The values provided above are applicable at +23°C and 50% relative humidity. Elevated temperatures reduce the duration, while lower temperatures extend it.

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5 - 10-liter containers

CONSUMPTION

It should be applied in two to three coats, with an average consumption of 0.300 - 0.500 kg/m², including the primer.

SHELF LIFE

12 months from the date of production when stored under suitable conditions.

STORAGE

It must be kept in its unopened original packaging, in a dry, enclosed environment at temperatures between +5°C and +25°C. For short-term storage, a maximum of three pallets may be stacked vertically, and shipments should follow a first-in, first-out protocol. For long-term storage, pallets should not be stacked.

SECURITY MEASURES

During application, it is essential to wear work clothing, protective gloves, goggles, and a mask that adhere to Occupational Health and Safety Regulations. Due to the irritating properties of uncured materials, contact with skin and eyes should be avoided. In the event of contact, wash the affected area immediately with ample soap and water. If ingested, seek medical attention without delay. Food and beverages must not be permitted in application areas and should be stored out of reach of children.