



TECHNICAL DATA SHEET

9.1 WATER-BASED

► SUEPOX PU EXTERIORES (Silky matt)

Pigmented, water-based polyurethane paint.

2619 / Version 4 / 28-08-2023



DESCRIPTION

Two-component, polyurethane water-based, solvent-free and reduced-emission finishing paint that provides a film resistant to UV rays once dry. Respond all the requirements established in the "GREEN BUILDING", offering the highest possible score for BREEAM and / or LEED certifications.

PROPERTIES

- Free of solvents and volatile organic compounds (VOC)
- Abrasion resistance
- Interior and exterior application.
- Matt finish.
- Protects against scratching and wear
- Resistant to UV rays
- Excellent adhesion on porous and non-porous surfaces
- Low water permeability
- Highly chemical resistant product.
- Easy to clean.
- Contributes to BREEAM and LEED certification.

USES

Polyurethane paint especially developed for: floors in car parks, industrial warehouses, workshops and in general, in all interiors and exteriors in which specific zones need to be decorated, protected or marked out. Horizontal and vertical surfaces.

TECHNICAL DATA

Appearance	Matt.
Colour	White and colours from RAL chart.
Mixture viscosity (Brookfield RVT at 20°C). Poises	15 - 25
Density at 20°C (Kg/L)	Component A: 1.10 Component B: 1.15
Content in solids % volume	40 - 42
Useful life of mixture (min)	45
Mixing ratio	14 to 1 in volume
Determination of liquid water permeability (UNE-EN 1062-3:2008) Kg/m²h^{0.5}	< 0.1.
Resistance to Taber abrasion (UNE-EN ISO 5470-1:1999)	Loss < 3,000 mg
Mass drop test with a large surface striking mechanism pursuant to (UNE EN ISO 6272-1: 2004)	Class III
Determination of adhesion by direct traction, UNE-EN 1542:1999 (N/mm²)	3.7
Yield	10 - 13 m ² /l
Drying at 20°C (min)	60
Second coat	Minimum 12 h - maximum 48 h
Vehicle transit	Light vehicles: 48 hours. Maximum resistances: 8 days.
% maximum dilution	0 - 10
Volatile Organic Compounds (COV).	Maximum product content 24,5 g/l



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HOW TO APPLY

- Stir the product until totally smooth.
- The surfaces to be painted must be clean, dry and free of dust, grease, saltpetre, etc.
- If the surface is already painted, ensure the previous paint is in good condition and well-adhered.
- Check the compatibility with the previous paint

SURFACE AND AMBIENT CONDITIONS

AMBIENT TEMPERATURE:

Apply at a temperature of more than 10°C and less than 40°C.

RELATIVE HUMIDITY:

Never apply with relative humidity of less than 85%.

AMBIENT CONDITIONS:

It is not recommended to paint in rainy weather or at times of peak heat.

SURFACE PREPARATION

UNPAINTED SURFACES:

Concrete:

- The paving must be in the very best condition as regards optimum preparation, i.e. clean, dry and even. Wait to complete setting (1 month).
- Remove efflorescences, product residues and foreign substances (grease, dust, oils and/or derivatives, etc.).
- It is essential to regulate porosity on the surface to ensure penetration and anchorage of the paint; to achieve this, the best outcomes are obtained using mechanical methods, which remove any type of unwanted substance or foreign body and regulate surface porosity.
- If mechanical treatment cannot be carried out, use at least one chemical treatment: remove foreign or undesired agents using diluted hydrochloric acid, then remove the acid residues with plenty of water. Allow the surface to dry and then paint as normal.

PRE-PAINTED SURFACES IN GOOD CONDITION:

Pre-painted surface in good condition:

- See compatibility with the previous paint.
- Clear oil or grease residue.
- Thoroughly sand the previous paint in good condition.

PRE-PAINTED SURFACES IN POOR CONDITION:

Pre-painted surface in poor condition:

- If the surface is in poor condition or flaking, poorly adhered residues must be removed using chemical or mechanical stripping

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POSSIBLE APPLICATION SYSTEMS

Suepox PU Exteriors (Silky matt) can be applied using a brush, short-nap roller, or spray gun. Prior to the top coat and depending on the wall apply sealant suitable for the yield specified in each case. TRY TO MAKE THE JOINTS BEFORE 10 MINUTES AFTER APPLYING THE PAINT.

SEALANTS:

- Suepox base: Sealer and consolidator of concrete, cement, plaster surfaces... Adhesion promoter on low absorption surfaces (troweled concrete, aluminium, galvanized steel...). Bonding bridge between old and new coatings of solvent-sensitive systems. On damp surfaces. Yield: 6 - 10 m²/l. Layers: 1

FINISH SUEPOX PU EXTERIORES (MATE SEDOSO):

- Yield: 10 - 12 m²/l
- Coats: 2

SAFETY

Consult the current safety data sheet for safe handling (Section 8.2). Unsuitable for children. Keep out of the reach of children. Do not place painted surfaces into the mouth.

REMOVAL

Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling, in line with the local and national legislation in force. Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling. Do not pour down drains or into the environment. Dispose of the product at an authorised waste disposal site or through an authorised waste management company. Waste must be handled, stored and disposed of pursuant to current local- national legislation.

STORAGE

See storage conditions indicated in section 7.2 of the current safety data sheet. Store the containers away from high temperatures, direct exposure to the sun and frost. Maximum recommended storage time: 12 months from manufacture in fully sealed original container, indoors and at temperatures between 5° and 35° C.

LEGAL TEXT NOTE

This information and, in particular, the recommendations regarding the application and final use of the product, are given in good faith, based on the current knowledge and experience of Isaval Paints of the products when they are properly stored, handled and applied, in normal situations, within its useful life, according to the recommendations of Pinturas Isaval. In practice, the possible differences in the materials, supports and actual conditions at the place of application are such that it cannot be inferred from the information in this document, no any other written recommendation, neither any advice offered, will insure the guarantee in terms of marketing or suitability for particular purposes, neither any obligation outside of any legal relationship that may exist. The user of the products must carry out the tests to verify their suitability according to the use they want to give. Pinturas Isaval reserves the right to change the specifications of its products. The property rights of third parties must be respected. All orders are accepted according to the terms of our current General Conditions of Sale and Supply. Users should know and use the latest and updated version of the local Product Data Sheets, a copy of which will be sent to whoever requests them, or can also be obtained on the page "www.Isaval.es". Data on this Sheet are based on laboratory tests. The measures taken "on site" may vary due to circumstances beyond our control.