



IMPERTECH VELOUTE

SALES FORMAT

20 kg

DESCRIPTION

High-performance velouté finish coating formulated with water-based elastomeric acrylic resins. It combines ease of application and uniform drying with excellent adhesion to mineral substrates and high elasticity to accommodate structural movement. A product that is impervious to rainwater yet permeable to water vapour, protecting and decorating façades with high opacity and excellent weather resistance.

SCOPE OF APPLICATION

Waterproofing of façades. Sealing of façades. Forms part of systems I1 to I4. Preventative protection for new reinforced concrete structures in aggressive environments. Protective coating and smooth aesthetic finish suitable for both new and repaired substrates made of mortar, concrete and other mineral substrates.

PROPERTIES

- Flexible film.
- Microporous.
- Good weather resistance.
- Good resistance to soiling.
- High-quality elastic film.
- Very low residual Tac.
- Elastomeric properties due to double cross-linking.

Contains an **ANTIMOLD** and **ANTI ALGAE** preservative.

TECHNICAL DATA

CLASSIFICATION IN ACCORDANCE WITH UNE-EN-1062

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Finish	G3 MATTE	UNE-EN 1062-1
Gloss 85°	< 5	ISO 2813
Dry film thickness	E5 (>400 microns)	UNE-EN 1062-1
Maximum particle size	S1 (<100 microns) Fine	ISO 1524

ADDITIONAL TECHNICAL DATA

Chemical composition	Bi-crosslinkable elastomeric dispersion	
Colour	White. Can be tinted.	
Theoretical coverage	350–500 g/m ² (120–170 microns dry)	ISO 23811
Density	1.36 ± 0.05 g/mL	ISO 2811-1
Viscosity	75 ± 20 Pa·s (20 rpm, R7)	ASTM D 2196-10
Volume solids	46 ± 2%	ISO 23811
VOC	<40 g/L. Maximum permitted by the EU: 40 g/L	2004/42/II A Classification (c)
Diluents	Tap water	
Dilution	Ready to use	
Recoating time	24–48 hours	
Drying time	Touch-dry: 6–8 hours / Fully dry: 20–30 days	UNE 48301
Cleaning	Water	

The technical data specified may vary if the material is tinted.

SUBSTRATE PREPARATION

GENERAL RECOMMENDATIONS

Outdoors, do not apply if rain is forecast, in direct midday sun or on damp days.

UNPAINTED OR NEW SURFACES:

Outdoors, clean the entire surface using mechanical methods. The surface must be consistent and firm, with no tendency to crumble or flake off. To even out the absorption and consolidate the surface, apply one coat of IMPERTECH FIXATEUR.

ALREADY PAINTED SURFACES:

Outdoors, clean the entire surface using mechanical methods or by stripping. Ensure that the substrate is sound and firm. Check the condition of the existing paintwork, removing any cracked and/or poorly adhered areas. Repair any imperfections and proceed as indicated for new surfaces.

SPECIAL CONSIDERATIONS FOR SURFACES IN GOOD CONDITION

CONCRETE

The surface must be dry and have undergone the necessary air-curing period (minimum 4 weeks). The substrate must comply with the requirements of the concrete standard UNE-EN ISO 1504-2, specifically the performance requirements for coatings.

MORTARS

Removal of efflorescence and alkalinity using suitable products, for example, treatment with hydrochloric acid (sulfumán) diluted with 10 parts water.

PLASTERS AND RENDERING:

The condition of the substrate must comply with the UNE-EN 998-2 standard for mortars, and in accordance with its specifications, the adhesion value to the substrate must meet the requirements specified in the substrate manufacturer's CE marking. Under no circumstances should it be less than 0.2 N/mm². The average value should be 0.3 N/mm².

ANTIQUÉ PAINTS:

The quality of existing coatings is important. Their adhesion must not be less than 0.7 N/mm², and the average value from sampling must be greater than 1 N/mm² (standard UNE-EN ISO 1504-2). Ensure the entire surface is thoroughly cleaned using a steam jet or high-pressure water jet. In the case of glossy paints, open the pores using mechanical means and treat the surface as if it were new.

SPECIAL CONSIDERATIONS FOR SURFACES IN POOR CONDITION:

DARKENING CAUSED BY MOULD AND ALGAE:

Proceed to remove and disinfect the stains by scrubbing them vigorously with a brush using household bleach. Next, treat the surface with TKROM LIMPIADOR REFORZANTE and then apply one coat of TKROM IMPRIMACIÓN SELLADORA-SANEADORA.

SALITRE:

Scratch with a brush or machine-polish, followed by chemical treatment with hydrochloric acid (Sulfuman) diluted with 10 parts water. Then treat with TKROM FIJATIVO F-1.

OLD PAINT COATS WITH POOR ADHESION:

If adhesion is less than 0.7 N/mm² (UNE-EN ISO 1504-2 standard), use suitable mechanical methods or stripping to remove the old paint. The substrate must be properly prepared to accept the new finish. Proceed as with new substrates.

INCONSISTENT SURFACES:

Surfaces with defects such as flaking, cracking, efflorescence, blistering, etc., will need to be treated by completely removing the existing paint by mechanical means or stripping. Next, apply any of the following products: TKROM FIJATIVO F-1, TKROM FIJATIVO F-4 or TKROM FIJADOR AL AGUA PLIOTEC, and proceed as indicated for new surfaces.

APPLICATION SYSTEM

System	Product	Yield	Dilution	Coats
PRIMER	IMPERTECH FIXATEUR	5.0–7.0 m ² /kg	< 10% water	1 or 2
INTERMEDIA	IMPERTECH INTERMÉDIAIRE	2.0–3.5 m ² /kg	< 4% water	1 or 2
SMOOTH FINISH	IMPERTECH VELOUTE	2.0–3.0 m ² /kg	Undiluted	1 or 2

APPLICATION CONDITIONS

Substrate and Ambient Temperature	Min. +5°C / Max. +35°C
Ambient humidity	Max. 80%
Substrate Moisture	Dry substrate with a moisture content of < 4%. Cement mortars: allow to set completely (minimum 28 days). Cement-based products: allow to dry for at least 4 days before applying the coating.
Dew Point	The substrate temperature must be at least 3°C above the dew point to reduce the risk of flaking or efflorescence.

APPLICATION RECOMMENDATIONS

Product preparation	Stir until the product is thoroughly mixed
Application method	Brush, roller and spray application. It can be applied using a brush or a short-pile roller.
Preparation	Stir to ensure the product is thoroughly mixed. Adjust the viscosity with water. It is advisable to apply the second coat at right angles to the first coat to achieve optimum opacity.

ADDITIONAL INFORMATION

Health and safety	For any information regarding safety issues relating to the use, storage, transport and disposal of waste from this product, users should consult the labelling and the latest version of the Safety Data Sheet, which contains information on the product's safety, environmental impact and toxicology. Safety Data Sheet: Please refer to the latest version. LER CODE: 08 01 11 WASTE TYPE: HAZARDOUS
Storage	The product will remain stable in its original, unopened packaging at ambient temperatures not exceeding 30 °C or falling below 5 °C for 24 months from the date of manufacture. The product must be stored in a cool, dry place, in its original, tightly sealed, undamaged packaging, protected from frost and direct sunlight.
Tariff heading	TARIC code: 3209 10 00
Note	The technical information contained in this document is provided in good faith, based on laboratory tests and practical experience under normal conditions. However, the data may vary, particularly when the material is tinted or when using intense colours, in which case parameters such as density or solids by volume may be affected without compromising the product's performance. Users are advised to verify the suitability of the product for their specific application and to request the relevant colour safety data sheet from their distributor for reference.