



TECPINT CONSOLIDANTE AL SILICATO

Mineral Primer and Consolidant for Porous Substrates

DESCRIPTION

This silicate primer is a highly specialised mineral facade fixative based on a blend of potassium silicate and organic emulsion. The formulation enables application on mineral substrates. Recommended for priming porous backgrounds – including natural stone and mortars – prior to silicate or lime paint and render systems, and as a consolidant for porous exterior finishes.

KEY PROPERTIES

- Inhibits fungal and algal growth through optimal moisture management
- Exceptional weather resistance
- UV- and acid-stable, anti-static
- Matt mineral appearance
- Vapour-permeable, non-film-forming, microporous
- Highly water-repellent
- Free from solvents and plasticisers



TECHNICAL CHARACTERISTICS

- Binder type: Pure potassium silicate / 5 % organic emulsion
- Density: 1.05 kg/L
- Viscosity: 20,000 mPa·s
- Thinner: Water

Water Repellency (EN 1062-3)

Very low liquid water uptake:

- Water absorption coefficient (W): $\leq 0.1 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})$
- Classification: W3 (low water absorption)

This performance supports compliance with the Spanish Building Code (CTE DB-HS 1 – Moisture Protection) by limiting rainwater penetration into facades.

Vapour Permeability (EN ISO 7783)

Extremely high vapour diffusion:

- Water vapour resistance factor (Sd): $\leq 0.01 \text{ m}$

(Values below 0.10 m are considered highly vapour-permeable; $Sd \leq 0.01 \text{ m}$ indicates maximum diffusion capacity, promoting wall drying and reducing interstitial condensation risk per CTE DB-HS criteria)

- Drying time (standard conditions): touch dry: 3–4 h recoatable: after 12 h

APPLICATION GUIDELINES

Ready for use. Apply 1–2 coats to porous substrates depending on absorbency and condition. Proceed with silicate or lime-based finishes thereafter. On bare plasterboard or gypsum substrates, apply TECPINT IMPRIMACION first before silicate paints. Also suitable for consolidating and reducing porosity in deteriorating stone, ceramics, mortars and renders.

Apply between +8 °C and +30 °C using brush, short-nap roller, airless spray or by immersion. Intercoat drying: approx. 6–11 h; allow 24 h before subsequent coatings. Substrate must be clean, free from grease, paint or contaminants hindering penetration; remove all loose particles. Do not apply in strong wind, rain or if frost is expected within 24 h. Do not apply to damp substrates (primer will not penetrate). On clay-based mortars, protect from direct rainfall and moisture ingress. In persistently damp areas, temporarily seal the space. Clean tools thoroughly with water immediately after use.

Coverage (two coats on smooth substrate): approx. 0.20–0.30 L/m²

PACK SIZES

Available in 1 L, 4 L and 10 L containers

SHELF LIFE

Up to 12 months when stored in original sealed container in a cool, dry place.

NOTE

Our technical support team is available to provide further information and advise on the most suitable systems, processes, and products for your specific surfaces, environments, and requirements. This technical data sheet is provided for guidance only, based on our experience and judgment. We cannot be held liable for consequences arising from use beyond our control or outside recommended application conditions.