
HydroPixel

Technical Specifications



Super Sigillante Pro multi-purpose adhesive for bonding, joining and sealing any material to any substrate, even damp ones

Product description

Super Sigillante Pro multi-purpose elastic adhesive for bonding, joining and sealing any material to any substrate, even damp ones: it achieves high adhesion performance whilst maintaining its elastic deformation capacity.

Cross-links using atmospheric moisture to form high-performance, permanently flexible elastic seals.

Free from solvents and isocyanates.

Suitable for indoor and outdoor applications on floors and walls, even under severe operating conditions. Offers excellent adhesion without a primer on all typical industrial and construction materials.

Bonds when wet and when submerged, and can be overpainted with most water-based and solvent-based paints (preliminary tests are recommended in all cases).

F EXT-INT CC certified in accordance with EN 15651-1

XS3 CC EN certified in accordance with 15651-3

PW EXT-INT CC certified in accordance with EN 15651-4

Chemistry + Smart

Free from solvents and isocyanates.

Does not contain cement or acetic polymers.

Not hazardous to applicators according to the CLP Regulation.

Continuous system free from rubber, plastic and PVC (rolls, membranes and tapes).

Ready to use, reusable, minimises waste and material wastage.

Very low emissions of volatile organic compounds (VOCs).

Certifications

F EXT-INT CC EN 15651-1
XS3 CC EN 15651-3
PW EXT-INT CC EN 15651-4
EC1 PLUS Gev Eimcode
A+ Indoor air emissions
ISEGA for contact with food

Substrates

Screeds
Self-levelling compounds
Levelling Compounds
Plaster and skim coats
Existing tiles
Radiant heating systems
Concrete and reinforced concrete
Plasterboard
Plaster and anhydrite
Fibre-cement sheets
Wood and engineered wood panels
Metals
Plastics and PVC
Fibreglass
Lightweight panels
Existing cement-polymer waterproofing products

Materials

Ceramic tiles
Resin- or cement-based composites
Terracotta – Klinker
Marble – Granite – Stone materials
Ceramic and glass mosaics
Insulation panels
Concrete elements
Sheets with resin-coated backing
Flexible natural stone sheets
Wood and engineered wood panels
Metals
Plastics and PVC
Fibreglass
Preformed membranes, tapes and preformed special parts

Uses

Adhesive – sealant
Floors – walls
Interior – exterior
Overlay
Radiant heating systems
Indoor wet areas – bathrooms and showers
Ponds, swimming pools and fountains
Terraces and balconies
SPA and Hammam
Facades
Industrial flooring
Residential, public, commercial and street furniture

Limitations

Do not apply to uneven or excessively rough substrates. Apply a skim coat with HydroLevel®
 Do not use where negative hydraulic pressures are present
 Do not apply the product to bituminous membranes, rubber substrates or substrates treated with resins
 Refer to national standards, such as UNI 11493

Product specifications

Appearance	Coloured thick paste
Colours	White
Packaging	290 ml cartridge
Customs classification	32141010
Shelf life	12 months in the original packaging, away from heat sources and direct light. Keep away from frost.

Technical Specifications

Full curing	3 mm	24 hours
Shore A hardness	50	DIN 53505
100% elastic modulus	$\geq 1.8 \text{ N/mm}^2$	ISO 37 DIN 53504
Tensile strength	$\geq 2.6 \text{ N/mm}^2$	ISO 37 DIN 53504
Elongation at break	2.7	ISO 37 DIN 53504
Moisture resistance	Excellent	
Alkali resistance	Excellent	
Solvent resistance	Good	
Acid resistance	Low	

Application Specifications

Polymerisation	Moisture-curing
Consistency of the mix	Thixotropic paste
Specific gravity	1.65 kg/l
Open time	About 20 minutes
Permissible application temperatures	From +5°C to +35°C
Recommended application temperatures	From +15°C to +25°C
Operating temperature	From -30°C to +90°C
Ready for foot traffic	24 hours at T = +23°C
Set-up time	5 days at T = +23°C

Application

Remove the top of the threaded section of the cartridge, screw on the plastic nozzle and cut it at an angle determined by the desired diameter and profile. Insert the cartridge into a manual or pneumatic gun (fitted with a telescopic piston) and extrude the adhesive-sealant, taking care to avoid trapping any air. The optimum working temperature for the substrate and sealant is between 15°C and 25°C. Joint finishing must be carried out within the sealant's open time. Joint finishing must be carried out within the sealant's open time. Take care when using alcohol or alkyd resins, as these may interfere with the sealant's curing process and reduce the drying time of the paint itself. The hardness and thickness of the paint film may compromise the elasticity of the sealant and lead to the paint film cracking.

Do not allow the product to cure in the presence of silicone sealants. Avoid contact with solvents during curing. As the product is moisture-curing, ensure sufficient exposure to air. Bonded elements may require additional support during the curing period. The extruded product must be compressed and worked deep into the surface to promote optimal adhesion and ensure watertightness; we recommend using a metal or plastic trowel moistened with soapy water.

Warnings

Do not use for applications not listed on this technical data sheet
For further information, please contact Litokol's Technical Customer Service on +39-0522-622811 or via customercare@litokol.com

Safety Information

For the safe use of our products, please refer to the latest version of the Safety Data Sheet, available at www.litokol.com
PRODUCT FOR PROFESSIONAL USE

Product details **No. 646**
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Litokol

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