Pixel® 3D

Technical Specifications

Pro Stain-Resistant Sealant. For bathrooms, shower cubicles, sanitary ware, kitchens, glass surfaces, window frames, doors and the sealing of non-porous materials such as glass, ceramics and aluminium.

Product description

Professional, acetate-curing, stain-resistant sealant for sealing permanently elastic joints between tiles, porcelain stoneware, slabs and mosaics, both indoors and outdoors, on floors and walls.
3X adhesion: formulated for application without the use of any adhesion-promoting primer, it ensures a perfect seal in bathrooms, shower cubicles, sanitary ware, kitchens, glazing, window frames and doors.
Suitable for sealing expansion joints, even under severe operating conditions such as in swimming pools and on façades.

Chemistry + Smart

Free from solvents and isocyanates.
Not hazardous to applicators according to the CLP Regulation
Ready to use, reusable, minimises waste and material wastage.
Very low emissions of volatile organic compounds (VOCs)

Certifications

INT-EXT CC EN 15651-1
G CC EN 15651-2
S EN 15651-3
EC1 Plus Gev Emicode
A+ Indoor air emissions

Materials

Porcelain stoneware
Ceramic tiles
Resin- or cement-based composites
Terracotta – Klinker
Ceramic and glass mosaics
Sheets
Aluminium

Uses

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

Limitations

Apply the product at temperatures between +5°C and +35°C
In hot weather, store the product packs in a cool place away from direct sunlight before use
During curing, minimal quantities of acetic acid are slowly released; therefore, good ventilation must be ensured
Curing times are proportional to the thickness of the silicone joint
Do not use in contact with marble or natural stone
Avoid contact with bituminous materials or plasticisers, such as butyl, EPDM, neoprene, bituminous membranes and insulation materials
When refurbishing joints affected by mould, the existing elastic sealant must be completely removed
The product cannot be painted over.
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

Product specifications

Appearance	Coloured thick paste
Colours	See colour chart
Responsible packaging	300 ml cartridge made from second-life recycled plastic
Customs classification	32149000
Shelf life	24 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	22	ISO 868
100% elastic modulus	≥ 0.4 N/mm^2	ISO 8339
Elongation at break	250 %	ISO 8339
Tensile strength	≥ 0.7 N/mm^2	ISO 8339
Total permissible deformation	25%	ASTM C920
Class	25 LM	ISO 11600 F

Application Specifications

Polymerisation	Acetic cross-linking
Consistency of the mix	Thixotropic paste
Specific gravity	0.99 kg/dm^3
Film formation time	Approx. 15 minutes
Full cure in 24 hours	2–3 mm
Permissible application temperatures	From +5°C to +40°C
Recommended application temperatures	From +15°C to +25°C
Operating temperature	From -40°C to +150°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 the appropriate PowerGun and extrude the sealant, taking great care to avoid trapping air.
Once opened, the packs must be used up within a relatively short time.
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.
Avoid contact with solvents during curing.
Given the large number of factors affecting the processing and application of the product, the user should always carry out a test application.

Calculation of consumption

Linear metres of joint that can be achieved with a 300 ml cartridge

	Width	Width	Width	Width	Width
Depth	6 mm	8 mm	10 mm	15 mm	20 mm
5 mm	± 10 m	± 8 m	± 6 m	-	-
7 mm	-	± 6 m	± 4.5 m	± 3 m	-
10 mm		-	± 3 m	± 2 m	± 1.5 m
15 mm		-	-	± 1.5 m	± 1 m
20 mm		-	-	± 1 m	± 0.8 m

Colour chart

The Colours of the Earth – Colour selection curated by Piero Lissoni

02 Sabbia Bianca	35 Arenaria
04 Pomice di Lipari	27 Caolino
20 Limo Del Nilo	28 Dune
06 Nebbia	21 Calce di Marrakech
07 Cenere	29 Terra di Borgogna
08 Terra di Bruma	31 Terra Fumicata
10 Ardesia	30 Argilla di Cipro
12 Nero Antico	22 Terra di Volterra
13 Argilla Bianca	24 Argilla Bruciata
26 Bianco di Spagna	34 Terracotta

Colours are for illustrative purposes only.

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

Legal notices

The information and specifications set out in this technical data sheet are based on our best knowledge.
However, as we are unable to directly influence site conditions or the execution of the works, these are general guidelines which do not in any way bind our Company.
We therefore recommend carrying out a preliminary test to verify the product's suitability for the intended use; in any case, anyone intending to use it is required to determine whether or not it is suitable for the intended use and, in any event, assumes all liability that may arise from its use.
Always refer to the latest updated version of the Technical Data Sheet, available on the website www.litokol.com

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