

Superflex PU500

One- component, hygro curing, polyurethane adhesive-sealant, low module.



Fields of application:

- polyurethane adhesive and sealant, moisture curing, high versatility
- for sealing and bonding porcelain stoneware, industrial stoneware, low thickness stoneware, thin stoneware, klinker, single and double fired material, glass mosaic, ceramic mosaic, glass bricks, prefabricated or exposed concrete, terracotta elements, stainless/crude/galvanized steel, aluminium, copper, on floors and walls, indoors and outdoors, available in 2 colors

- for bonding applications in general
- specific for sealing facades outdoors, terraces, bathrooms, saunas, spas, heating floors, premises subject to heavy traffic; for jointing industrial floors subject to heavy traffic, sealing metal to metal of metal construction components
- suitable for contact with drinking water
- product for professional use

Preparation:

all the surfaces to be sealed must be dry, sturdy, and free of dust or crumbling parts, and there must be no oil, grease, wax, old paintwork or rust on them. To allow the sealant to fulfil its function, it must be able to stretch and shrink freely once applied to the joint. **Superflex PU500** must adhere perfectly solely to the side walls of the joint, not to the base, and the joint must always be wider than it is thick. The joint must be designed so that the maximum movement envisaged is less than 10% of the initial width. To adjust the depth and prevent **Superflex PU500** adhering to the base of the joint, the **Joint 100** polyethylene foam compressible seal must be added beforehand.

Application:

cut the cartridge spout at the top, at the threaded part, and screw the nozzle on. Cut the nozzle to the right size for the joint required. Inject the cavity prepared using a specific gun and smooth off the joint surface with a tool, applying suitable pressure before the surface filming begins.



Quality and Environmental Standards:

Superflex PU500 undergoes constant, careful testing at our laboratories, in compliance with the legislation in force UNI EN ISO 9001/2015.

CE	Opera Srl Via degli Scavi 19/21 47122 Forlì - Italy
	DOPC00080-N-01 SUPERFLEX PU500 EN 15651-4:PW EXT-INT-CC One component polyurethane sealant for pedestrian walkways, indoors and outdoors (suitable also for cold climates)
	EN 15651-1:EXT-INT-CC One component polyurethane sealant for facades, indoors and outdoors (suitable also for cold climates) Conditioning: Method A (ISO 8340) Substrate: Mortar M1 with primer Hi Tech SL

Characteristics

One-component
Overpaintable
Excellent resistance to weather agents
Excellent resistance to chemicals
Excellent elastic return
Estrema versatilità
No residual tack
Does not catch dust and dirt

Application methods

Specific gun

Color

01 - White

30 - Cement Grey

Consumption

each 310 ml cartridge fills 2.6 linear meters with joint section: mm 10x10

Storage

Shelf life of 24 months in the original packages and in a fresh, dry place.

Code
261505
261504

Product
Superflex PU500
Superflex PU500

Form and Color
01 White
30 Cement Grey

Packages
310 ml cartridge x 12 pcs
310 ml cartridge x 12 pcs

Warning:

- do not use on porous or crumbly surfaces;
- do not apply in temperatures below +5°C;
- do not use on very damp surfaces;
- do not use on recently laid bituminous surfaces;
- check compatibility with varnishes and paints beforehand.

Technical and application specifications

Hazard classification as per Directive 99/45/CE:	contains isocyanates
Density:	1.40 g/cm³
Application temperature:	from +5°C to +35°C
SHORE A hardness:	35-40°
Dust dry (23°C, 50% H.R.):	approx. 40 minutes
100% elongation modulus (DIN 52455):	approx. 0.8 N/mm²
Elongation at break (DIN 52455):	> 300%
Tensile strength (DIN 53504):	approx. 1.2 N/mm²
Maximum permitted deformation:	max. 15%
Room/ambient temperature:	from -40°C to +90°C
Elastic recovery capacity (DIN 53504):	> 85%
Harmonised customs code:	32149000

Measurement of data at +23°C / 50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.