PU 300

Vai a TDS

Sealants

ONE-COMPONENT, RAPID-HARDENING PAINTABLE POLYURETHANE SEALANT AND ADHESIVE WITH A HIGH MODULUS OF ELASTICITY FOR MOVEMENTS UP TO 20%.

PRODUCT DESCRIPTION

PU 300 is a highly deformable, low modulus of elasticity, thixotropic sealant. PU 300 sets progressively by reacting with the water vapour in the air or in the pores in the substrate to form elastic, deformable rubber that adheres to the substrate. Once set, it compensates for compressive, tensile and torsional movements in joints while guaranteeing high resistance to punching and surface friction. PU 300 is resistant to dry service temperatures of -30°C to +80°C.

FIELD OF APPLICATION

· Sealing internal and external expansion and distribution joints subject to movement up to 20%
· Application on façades and industrial buildings
· Application on pre-fabricated concrete panels
· Application in industrial floors subject to vehicular traffic
· Application in concrete floors for car-parks, supermarkets, shopping centers and warehouses
· Application on concrete walls and general internal and external vertical structures where the use of a thixotropic product is required.

SUITABLE SUBSTRATES

· Iron surface
· Aluminum surface
· Rust free metallic surface
· Bricks
· Ceramic
· Glass
· Tiles
· Concrete
· Plasters

LIMITATIONS

· Do not use on dusty or flaky surfaces.
· Do not use on surfaces which are damp.
· Do not uses on surfaces which are dirty with oil, grease or stripping compounds, the bonding stength could be lower.
· Do not use on bituminous surfaces where the bleeding of oil may be present.
· Do not apply if the temperature is lower than +5°C.

APPLICATION PROCEDURE

a) Preparation of the support

All the surfaces must be dry, sound and free of dust, crumbling parts, oil, grease, wax and old paint. To guarantee that the sealant works correctly, the joint must be free to expand and contract. Therefore, it is important that the product only bonds to the side walls of the joint, and never to the bottom. The size of the joint must be calculated so that, when in service, it

expands less than or equal to 25% of its initial size. To regulate the depth of application and to avoid it sticking to the bottom of the joint, foam closed-cell, expanded polyurethane flexible cord with a suitable diameter must be inserted beforehand in the joint. To avoid the sealant spreading out of the joint, and to leave an attractive finish, we recommend using masking tape around the joints.

b) Preparing the product
Ready to be used.

c) Applying the product
Use specific manual caulking guns for 300 ml cartridges or 600 ml soft cartridges. Extrude the sealant into the joint in a continuous flow without entraining air. Immediately after applying the product smooth over the surface with a suitable tool kept constantly wet with soapy water.

COVERAGE / CONSUMPTION
The consumption of PU 300 depends on the application. Typical consumption is between 120 and 150 ml/mL.

PACKAKING
PU 300 is supplied in:
– 600ml cartridge

SHELF LIFE
Original sealed packaging of this product is guaranteed to be of first quality for 12 months if stored in a dry area and temperatures between +5oC and +35oC.

SAFETY INSTRUCTION
PU 300 may cause sensitization if inhaled and allergic manifestation in subjects sensitive to isocyanates. During use, wear protective gloves and goggles and take the usual precaution for handling chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention. Use suitable protection tools to protect the respiratory system. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet. PRODUCT FOR PROFESSIONAL USE.

Via sorte, 2, 24030
Barzana BG, Italy

TECHNICAL DATA

Product identity	
Consistency:	thixotropic paste
Color:	grey
Density (kg/m^3):	1450
Viscosity (mPa.s):	1,200,000
Dry solids content (%):	100
Application data (at +23°C and 50% R.H.)	
Dilution:	Ready to used
Skin formation time:	60-90 minutes
Polymerization time:	5mm / 24 hours
Service temperature range:	-20°C to +60°C
Application temperature:	+5°C to +35°C
Consumption:	100-120 ml/mL
Elongation:	1000%
Tensile strength:	3.7 N/mm^2
Tear strength:	22 kN / m
Hardness Shore A:	40
Module of elasticity at 100% elongation:	0.4
Water resistance:	excellent
Atmospheric agent resistance:	excellent

WARNING

Danger. Contains Portland Cement: Chromium VI < 2 ppm within the validity period of the product. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF IN CONTACT WITH YOUR SKIN: Wash with plenty of water/... P305 + P351 + P338 IF IN CONTACT WITH YOUR EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/ doctor/...

EMISSION CLASS FOR BUILDING MATERIAL M1

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