



PU-30

Product Description

PU 30 is a moisture-curing, 1-component, polyurethane-based, non-sag elastomeric sealant. It is highly resilient and has excellent recovery characteristics. It can function under wide range of temperatures.

Features and benefits

- Easy to use.
- Easy to extrude.
- Short cut o- string.
- Bubble free curing.
- Excellent adhesion to different construction materials.
- Excellent weathering and ageing properties.
- Can be over painted after curing.
- Excellent resistance to chemicals microorganisms.
- Meets ASTM C 920 and ISO 11600 Classification F 25 LM

Typical use

- Used in sealing movement joints in precast concrete construction, balcony parapets, bridge culverts, retaining walls, etc. for caulking joints around windows, doors, skirting, walls and floor joints.

Product Data:

Composition:	1-Part polyurethane, moisture curing
Packaging size:	600 ml
Colors:	Grey
Consistency:	Smooth and pasty
Hardness Shore A:	33-35 After 28days (+23C°/50% r.h.)
Skin Formation:	Approx.60 min (+23C°/50% r.h.)
Curing Rate:	24hrs@3mm (+23C°/50% r.h.)
Specific Gravity:	1.50 g/ml
Elongation at break:	325 % (+23C°/50% r.h.)
Sag Flow:	0mm, Very Good.
Viscosity:	26000 P @ 25C°
Toxicity:	No restriction as cured



Application Data:

Tools : The product can be applied by Caulk gun.

Surface Preparation and Application: all joints must be absolutely clean. For concrete, sand blasting is recommended. All curing compounds, caulks, grease, waterproofing compounds etc. must be removed. For non-porous surfaces such as glass, metal etc. cleaning with M.E.K or Toluene is recommended. Polyethylene rod or polyurethane foam is recommended as a joint filler and back up material. Fillers treated with bituminous products, grease or oil should not be used. Where present they must be removed or separated by vinyl tape or polyethylene film.

Application: apply by caulking gun, hand or pressure type bulk sealant can be applied by pumping equipment. Press firmly into joint to assure good contact and finish with a trowel or putty knife. Consumption / Joint: The joint width must be designed to suit the movement capability of the sealant. A width to depth ratio of ~ 2 : 1 must be maintained.

Standard design dimensions for concrete elements as per DIN 18 540 /table 3:

Joint Distance	2m	2-2.3m	3.5-5m	5-6.5m	6.5-8m
Design joint width mm	15	20	25	30	35
Min. Joint width mm	10	15	20	25	30
Joint Depth mm	8	10	12	15	15

Minimum joint width for perimeter joints around windows: 10 mm.

All joints must be properly designed and dimensioned by the specifier and the main contractor in accordance with the relevant standards, because changes are not usually feasible after construction. The basis for calculation of the necessary joint width is the technical values of the joint sealant and the adjacent building materials, plus the exposure of the building, its method of construction and its dimensions.

Approximate consumption

Joint Width	10mm	15mm	20mm	15mm	25mm	30mm
Joint Depth	8 mm	8mm	10mm	22mm	12mm	15mm
Joint Length	~7.5 m	~4.5 m	~2.5 m	~1.8m	~1.6m	~1.3m

Thinner (solvent to mix with): Use as is.



Dilution: No dilution.

Cautions and Limitations:

- Direct contact with uncured sealant irritates eyes and may irritate the skin.
- Over exposure to vapors may irritate nose and throat.
- Avoid eye and skin contact.
- Use with adequate ventilation.
- Do not handle contact lenses with sealant on hand.
- In case of eye contact, wash eyes with plenty of fresh water for 15 minutes and obtain medical attention.
- In case of skin contact, remove from skin and wash with water.
- Keep out of reach of children.

Storage:

- 9 months from date of production if stored in undamaged original sealed containers, in dry conditions and protected from direct sunlight.
- Store at temperatures between 10°C and 25°C.

Health and safety:

Possible Hazards: Refer to MSDS.