CRETEX PU Sealant

CRETEX PU Sealant is a one component sealant and glue on the basis of a polymer for sealing and gluing most construction, metal and plastic materials. It is environment friendly.

USE

- ✓ Metal and tile roofing, all metal lap joint waterproofing and sealing
- ✓ Can be painted
- ✓ Especially suitable for places, where there is a lot of dilatation and stress
- ✓ Joints in plastic, metal or concrete
- ✓ Sealing and gluing various materials
- ✓ For panel gluing, roofing. For gluing constructions under vibrations
- ✓ For dilatation joints in construction, on outer walls, in green-houses or for sealing window frames
- ✓ For sealing joints in vacuum systems, in networks containing compressed air, containers, cisterns, silos, aluminium constructions

PROPERTIES

- ✓ Excellent adhesion on most construction material - concrete, brick, wood, aluminium, iron, stainless steel, copper and various plastics
- ✓ Good output even at low temperatures
- ✓ Does not slump in vertical joints
- ✓ Excellent characteristics, great hardness
- ✓ Environment friendly: contains no solvents, isocyanate and silicones
- ✓ Totally chemically neutral and odourless
- ✓ Can be painted with most paints
- ✓ Shrinkage lower than 1%
- ✓ Resistant to various atmospheric conditions and aging, also UV resistant
- ✓ Chemical resistance: Good to Water, aliphatic solvents, mineral oils, fat, low concentration inorganic acids and bases. Not resistant to Aromatic solvents, concentrated acids, chlorinated hydrocarbons
- ✓ Colour: Grey or White

APPLICATION

Surface preparation:

The surface of the joint must be hard, clean, dust and fat free. Only apply to sound substrate.

Joint and cartridge preparation:

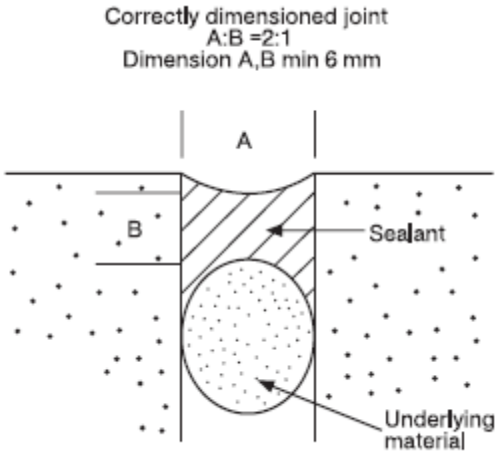
- ✓ For better adhesion onto porous surfaces use Epotread 1000 WBE.
- ✓ If you want joints to look nice tape the edges with masking tape.
- ✓ Cut the cartridge at the top and screw on the nozzle, which has to be cut according to the width of the joint and placed in the gun. During work interruption release the handle on the gun and pull the piston back.
- ✓ The sealant should be applied as evenly as possible.
- ✓ At the end, level the sealant with an appropriate instrument or a well soaped finger.
- ✓ Remove the masking tape before the sealant starts to harden.
- ✓ Fresh sealant and tools can be cleaned with alcohol.

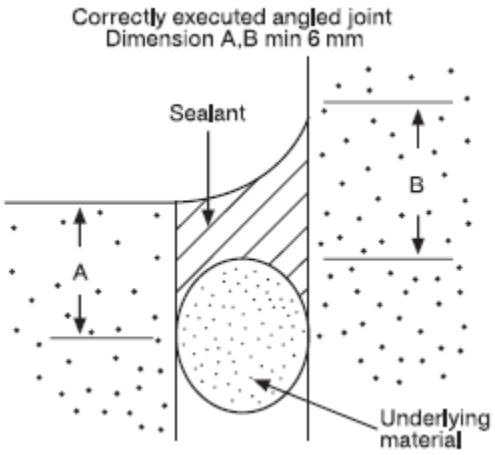
Correct dimensioning of dilatation joints:

For the optimal elastic characteristics of the sealant, a correct width/depth ratio is important (2:1) or a maximum of 1:1. The sealant must not grip the bottom of the joint, but only its sides. We can achieve this with the use of underlying materials, onto which the sealant has no adhesion (PEF Rod, foamed polyethylene, polyurethane). The minimum joint width is 3 mm, the maximum 20 mm.

Joint depth (mm)	Joint width (mm)					
	6	8	10	12	15	20
6	8,3	6,2	5,0	4,2		
8		4,7	3,7	3,1	2,5	
10			3,0	2,5	2,0	1,5
12				2,1	1,7	1,2
15					1,3	1,0
20						0,75

The table shows how many linear metres of joints we can seal with one 290 ml cartridge relative to the width and depth of the joint.





TECHNICAL DATA

Uncured sealant		
Basis		hybrid MS polymer
Form		paste
Curing mechanism		moisture curing
Specific gravity		1390 ± 10 kg/m³
Skin formation time	23 °C/ 50 % rel. humid.	25 ± 5 min
Hardening time	23 °C/ 50 % rel. humid.	2 - 3 mm/day
Application temperature		+ 5°C to + 30°C
Hardened sealant		
Hardness Shore A	ISO 868	35 - 40
Change in volume	ISO 10563	< 1%
Tensile strength	ISO 8339	1,2 - 1,5 MPa
Module E 100%	ISO 8339	> 0,80 MPa
Elongation at break	ISO 8339	200% - 300%
Tensile strength	ISO 37 rod 1	2,40 - 3,00 MPa
Elongation at break	ISO 37 rod 1	250 - 350%
Temperature resistance		- 40°C to + 90°C

PACKING

- 290 ml cartridges
- 600 ml sausages

STORAGE

12 months in a dry and cool storage place at temperatures between + 5°C and + 25°C and kept in the originally sealed package.

SAFETY PRECAUTIONS

There are no known safety issues concerning CRETEX PU Sealant for use in construction.

ATTENTION

The information supplied is accurate to the best of our knowledge and is based on reliable tests and practical experiences. Properties quoted are intended, as a guide and do not therefore constitutes a specification. You should thoroughly test any application to be sure that product corresponds to the required performances.