



# BOSS® PU25 Urethane Sealant

### TECHNICAL DATA

Appearance.....	Pasty
Color.....	Various
Density at 20°C.....	Black: 1.15 ± 0.05.....Others: 1.17 ± 0.05
Conventional solids content (EN 827).....	> 97%
Sagging (ISO 7390).....	None
Application temperature.....	5 to 35 °C
Skin formation time at 23°C and 50% HR.....	90 to 150 min
Cure time at 23°C and 50% HR.....	> 3 mm/24h
Shore A hardness (internal method IT-20 after ISO 868 – 3 seconds).....	Approx. 25
Modulus at 100% (ISO 8339).....	Approx. 0.25 MPa
Elongation at break (ISO 8339).....	>400%
Temperature resistance.....	-50 to +80°C
Resistance to dilute acids and bases.....	Average
UV resistance.....	Good
Water and salt spray resistance.....	Good
Compatibility with paints	
On cured product:....water based: yes	
.....solvent based: carry out tests beforehand	
Specific data.....	
...Modulus at 100% (ISO 37).....	approx. 0.3 MPa
...Modulus at break (ISO 37).....	approx.. 1.2 MPa
...Elongation at break (ISO 37).....	> 600%
...Tear resistance (ISO 34).....	approx.. 6 N/mm
...Meet the requirements of ASTM C 920, Type S, Grade NS. Class 25. use T1. NT. A and M	

### DESCRIPTION

**BOSS® PU25** is a single component polyurethane based elastomeric sealant which cures under the effect of atmospheric humidity to form a highly elastic, tear- and weather-resistant joint.

### AREAS OF APPLICATION

**BOSS® PU25** can be used to bond various building materials and for expansion joints.  
**BOSS® PU25** has a good adhesion without primer on most current materials: wood, aluminium, most lacquered metals, concrete, stone, ceramic tiles.

### INSTRUCTIONS FOR USE

#### Substrate preparation:

- The substrates must be clean, even, dry, free of dust, oil, grease and any contaminants that could harm bonding. If they need to be cleaned, clean them with methylethylketone (MEK), acetone or grease remover. Apply a primer if necessary.
- Check the compatibility of the solvent used with the substrates.
- When using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer or supplier.
- If necessary, rub down metal surfaces beforehand. Clean them after rubbing down.
- All the substrate to dry after degreasing.
- We recommend to clean concrete with a metal brush.

#### Caulking:

- **BOSS® PU25** can be applied by a manual or pneumatic gun.
- After application, use a putty knife to smooth the joint with soapy water.
- This product should be used within 24 hours of opening the cartridge or sausage; otherwise, the sealant could harden inside.
- Do not apply at temperature under 5°C. In cold weather, store the packagings at about 20°C before use.
- Avoid any contact with non-cured MS, hybrid PU or silicone sealants as well as with alcohols or ammonia during curing.

#### Cleaning:

- Tools should be cleaned with MEK or acetone before the sealant has completely cured.
- After curing, abrasion is necessary.

#### STORAGE AND SHELF LIFE

12 months in closed original packaging stored in dry premises at a temperature lower than 25°C. if necessary, gently warm the product before use until it reaches a suitable temperature.

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**PACKAGING**

310ml. cartridges and 600ml. sausages. Contact us for other packaging options.

**SAFETY**

Not classified as hazardous. Read the material safety data sheet before use.

MADE IN U.S.A

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**BOSS® PRODUCTS**

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