



PRODUCT INFORMATION

PU 50. Urethane Sealant.

BOSS® PU 50 is a fast-curing one-component moisture-curing polyurethane adhesive sealant that turns into a flexible, durable and resistant elastomeric seam and has a very good adhesion to most industrial materials.

BOSS® PU 50 has high elasticity and excellent tear, vibration and weathering resistance. Easy to apply, it adheres without primer to the most common substrates, such as glass, anodized aluminum, lacquered metal, wood, FRP, and concrete.

BOSS® PU 50 is suitable for use on glass as well as metal panels (primed and painted). It can be used for Structural Bonding of large parts including sheet metals, composites and Glass. Boss PU 50 also used to replace rivets and other mechanical fasteners.

TECHNICAL DATA

Consistency	: pasty
Sagging (ISO 7390)	: None
Density	: 1.2
Skin formation time	: 30 mins.
Curing speed	: 4 mm per 24 hours
Shore hardness	: approx. 50
Elongation at break (ISO 8339)	: > 700%
Tensile strength	: 2.3 N/mm ²
Tear Strength	: 8 N/mm ²
Application temperature	: +5 -+35°C
Resistance to UV	: good
Modulus at 100% (ISO 8339)	: 0.6 Mpa
Water and Salt spray Resistance	: excellent
Compatibility with paints	: Water Based – Yes Solvent Based–Carry out test Before hand
Colour	: black, grey, and white
Temperature Resistance	: - 40 to +90°C

Instructions for Use

BOSS® PU50 shall be applied with a manual or air assisted caulking gun. The substrates must be clean, dry, and free of dust and grease. Do not apply the sealant at temperature less than 5°C. Any traces of grease, paint or loose material have to be removed. After application the sealant has to be smoothed with a damp knife. Application tools can be cleaned with toluene or xylene before curing. Afterwards, mechanical cleaning will be required.

Consumption(for a 300 ml Cartridge):

Bead Size (mm)	2	3	4	5	6	7	8	9	10
Length of cord (mm)	98	43	24	15	11	8	6	4	3

Storage - Shelf Life

12 months in closed original packaging stored between +5 and +25°C

Packaging

300-ml cartridges, 600-ml sausage packs.

Users Please Read.

The information and data contained herein is believed to be reliable and accurate; however it is the users responsibility to determine suitability of use. Since the supplier cannot know all the uses or conditions of use to which the product may be put to, no warranties concerning fitness or suitability for a particular use or purpose are made. The supplier will not be liable for incidental or consequential damages of any kind.

Caution

Product may cause eye and skin irritation on prolonged exposure. In case of eye contact, flush thoroughly with water. Wash thoroughly after handling. Keep out of reach of Children.

BOSS_® Products

Accumetric LLC
350 Ring Road
Elizabethtown, Kentucky 42701 USA
270-769-3385 FAX 270-765-2412
www.accumetricinc.com