

ITLS PU 50

Polyurethane Multi-Purpose Construction Joint Sealant



ITLS INTERNATIONAL DEVELOPMENT CO., LTD

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DESCRIPTION

ITLS PU 50 is a single component polyurethane based elastomeric sealant which cures under the effect of atmospheric humidity to form a flexible and resistant joint with very good adhesion on most materials.

APPLICATION

ITLS PU 50 can be used for bonding and caulking different materials used in the general industry : concrete, wood, aluminium, most lacquered metals, polyester, glass, stone, etc.

TECHNICAL DATA

Appearance	Pasty
Colour	Various
Density at 20 °C	Black : 1.15 ± 0.05 / others : 1.18 ± 0.05
Sagging (ISO 7390)	None
Application temperature	5 to 35 °C
Skin formation time at 23 °C and 50 % HR	Ca 60 min
Cure time at 23 °C and 50 % HR	4 mm/24 h
Final Shore A hardness (ISO 868 – 3 seconds)	Ca 45
Temperature resistance	40 to +90 °C
Resistance to dilute acids and bases	Average
UV resistance	Good
Water and salt spray resistance	Excellent
Compatibility with paints	Water based : yes Solvent based : carry out tests beforehand
Specific data	Elongation at break (ISO 37) : > 600 % Modulus at 100 % (ISO 37) : 0.6 MPa

CONSUMPTION (for a cartridge of 310 ml)

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

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INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION:

The substrates must be clean, even, dry, free of dust, oil, grease and any contaminants that could harm bonding. All traces of poorly adherent paints or coatings should be systematically removed beforehand.

Clean the substrates with PU Primer, methylethylketone (MEK), acetone or degreaser SAPOCOL GR 1001. Check the compatibility of the solvent used with the substrates.

If necessary, rub down metal surfaces beforehand. Clean them after rubbing down. Allow the substrates to dry after degreasing.

If necessary, apply a primer.

Note : when using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer or supplier.

We recommend to clean concrete with a metal brush.

CAULKING:

ITLS PU 50 may be applied by a manual or pneumatic gun.

After application, each joint should be smoothed out using a wet and soapy plastering knife.

This product should be used within 24 hours of opening the cartridge protection.

If applied in cold weather, store the cartridges at 20 °C before use.

Do not apply on silicones or in the presence of cured silicones. Avoid contact with alcohols and solvents during curing.

CLEANING:

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

STORAGE AND SHELF LIFE

12 months in the original, hermetically sealed cartridges or sausages between 5 and 25 °C

PACKAGING

310 ml cartridges and 600 ml sausages

SAFETY

Harmful. Read the material safety data sheet before use.