

PROVISIONAL DATA

ISOLASTIC PU 300

One-Component Polyurethane Sealant

ISOLASTIC PU-300 is a one-component, non-sag, low modulus, moisture-cure polyurethane sealant designed to skin and cure rapidly. This high-performance product is designed with outstanding UV resistance and long-term durability. Excellent adhesion is obtained on a wide variety of substrates.

USES

- Sealing of joints between various construction materials such as wood, concrete, brick etc.
- For joints in precast concrete, balcony parapets, bridge culverts, retaining walls, etc.,
- It can adhere to porous and non-porous substrates.
- Sealing joints between windows, skirtings, doors, wall and floor joints, etc.
- Control and expansion joints.
- Around Ventilation grills.

ADVANTAGES

- Excellent adhesion to a variety of substrates
- Dependable performance and durability
- Easy to gun, tool, and clean
- Accommodates $\pm 25\%$ joint movement. Adheres tenaciously during temperature cyclic movements.
- Permanently flexible, excellent weatherability
- Excellent cut and tear resistance
- Paintable – with oil or water based paints.
- Primer-less adhesion to substrates including galvanized steel, aluminum, concrete, glass, wood, vinyl, and fiberglass.

SPECIFICATIONS

US Federal Specification TT-S-00230 C (Type II) Class A, Non-sag, One-Component
ASTM C 920 Type S, Grade NS, Class (25), BS EN 11600.

TYPICAL PROPERTIES

1. Appearance	-	Non-Sag Paste
2. Colour	-	White, Grey and other colors.
3. Specific Gravity (ASTM D891)	-	1.50 \pm 0.05
4. Elongation (ASTM D412)	-	> 250 %
5. Tensile Strength (ASTM D412)	-	> 1.5 N/mm ²
6. Skinning Time @ 25 °C	-	60 - 120 minutes
7. Curing time	-	2 - 3 mm per day
8. Application Temperature	-	+ 5 °C to + 40 °C
9. Sag Resistance	-	Excellent
10. Resilience	-	> 90%

11. Shore 'A' Hardness	-	30 ± 3
12. Chemical Resistance	-	Good resistance to water, dilute acids/alkalies (Consult ISOLA for more specific data)
13. Tack free		24 hours

DIRECTIONS FOR USE

SURFACE PREPARATION

The substrate that will be in contact with the sealant must be clean, dry and free of loose material such as dust, dirt, rust, oil and other contaminants. Non-porous substrates should be cleaned with a solvent and additionally cleaned with lint-free, cotton cloth. Remove residual solvent before it evaporates with a fresh clean, dry cloth. Joint filler such as Polyurethane foam is recommended. **Filler board treated with bituminous products, grease or oil should not be used.** Extreme porous surface is preferably primed with ISOPRIME 21, PU primer.

Keep the sausage in the relevant Gunning equipment and cut the nozzle to required bead size. When applying, keep the sausage gun at an angle of 45° position to the substrate. The sealant requires moisture in order to cure. The sealant will cure fully at 4-7 days.

APPLICATION

- Do not apply on joints subject to continuous water immersion.
- Commercially available paints are of different quality. It is suggested to do compatibility test prior to application.

PACKING/ THEORETICAL COVERAGE

ISOLASTIC PU 300 is packed in 600ml Sausages. Theoretical coverage are as follows;

JOINT WIDTH	10mm	15mm	20mm	25mm	30mm
JOINT DEPTH	5mm	8mm	10mm	12mm	15mm
Consumption / SAUSAGE	12 linear Meters	5 Linear Meters	3 Linear Meters	2 Linear Meters	1.3 Linear Meters

SHELF LIFE

Nine (9) months in original, sealed packing stored in warehouse condition at 20-35° celsius temperature.

HEALTH AND SAFETY

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Refer MSDS for more information.

Revised: 16.11.2023

Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential

ISOLA SOLUTIONS W.L.L

P.O. Box 530, Manama, Kingdom of Bahrain, Tel: 17784777, Fax:17911422, Email: isola@hajihassan.com, web: www.isolasolutions.com