

ISPOFLEX 12

DESCRIPTION

ISPOFLEX 12 is a one-component, low-modulus polyurethane sealant that cures on exposure to atmospheric humidity. It possesses excellent adhesion to all typical construction materials such as concrete, brick, ceramic, wood etc.

PROPERTIES

- Possesses permanent elasticity
- No sagging – Thixotropic
- No surface tackiness after full cure.. Do not pick up dirt
- No shrinkage
- Can be applied with hand gun and tooled easily
- Paintable
- 25 % movement capability
- Conforms to BS 6920 for the metallic water soluble impurities and is suitable for use in drinking water system
- Conforms to the requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168.

APPLICATIONS

- Expansion joints between many different construction materials
- Installation of PVC window frames
- Connection joints between wood window- and doorframes and walls
- Joints between prefabricated construction materials
- Sealing and bonding of ventilation ducts, gutters and spouts etc.

Meets the requirements of **ISO 11600 F 25 LM**

INSTRUCTIONS

- Before application, be sure that joint surfaces are clean, dry and free of all contamination
- Apply sealant evenly, If necessary, use masking tape and remove the tape while the sealant is

still soft.

- Joint width/depth ratio should be 2:1 (Table 1)
- If necessary, use back up material to adjust joint depth
- Sealants should adhere to only two surfaces of the joint: Use backer rods and bond breakers to facilitate.

Consumption (approx.)

Joint width	15 mm	20 mm	25 mm	30 mm	35 mm
Joint Depth	8 mm	10 mm	12 mm	15 mm	15 mm
Joint length / 600 ml	5 meters	3 meters	2 meters	1,3 meters	1,1 meters

Table 1

STORAGE AND SHELF LIFE

12 months if stored in its original package, away from direct sunlight and moisture, between +10 °C and +25 °C

PACKAGING

Product	Volume	Package
White	310ml	12
Black	310ml	12
Grey	310ml	12
White(Sausage)	600ml	12
Black(Sausage)	600ml	12
Grey (Sausage)	600 ml	12

RESTRICTIONS

- Avoid application below 5 °C and above 40 °C.
- Do not apply on frozen or wet surfaces or through standing water.

TECHNICAL PROPERTIES

BEFORE CURING		
Basis	: Polyurethane	
Consistency	: Thixotropic	
Curing Mechanism	: Moisture Curing	
Density	: 1,08±0,03 g/ml	
Tack free time	: 60 ±10 min (23°C and 50% R.H)	
Curing Rate	: Min. 3,00 mm/day (23°C and 50% R.	
Sagging	: 0 mm	(EN ISO 7390)
Temperature Resistance	: - 40°C to +70°C	
Application Temperature	: +5°C to +40°C	
AFTER CURING		
Hardness Shore A	: 25 ± 5	After 28 days (ISO 868)
Paintibility	: Yes *	
Elastic Recovery	: ≥ 70%	(ISO 7389)
Movement Capability	: 25 %	
Elongation at break	: min.120%	(ISO8339)
E100 Modulus (23 °C)	: 0.30-0.40 N/mm ²	(ISO8339)
E100 Modulus (-20 °C)	: ≤ 0,60 N/mm ²	(ISO8339)
Elongation at break	: ≥%500	(ISO 37)
Tensile Strength	: 1,5-2 N/mm ²	(ISO 37)

*Considering the diversity of paint base and quality, compatibility tests should be done before application.