

## 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

<b>Basis</b>	: Polyurethane	
<b>Consistency</b>	: Thixotropic	
<b>Curing Mechanism</b>	: Moisture Curing	
<b>Density</b>	: 1,08±0,03 g/ml	
<b>Tack free time</b>	: 60 ±10 min (23°C and 50% R.H)	
<b>Curing Rate</b>	: Min. 3,00 mm/day (23°C and 50% R.H)	
<b>Sagging</b>	: 0 mm	(EN ISO 7390)
<b>Temperature Resistance</b>	: - 40°C to +70°C	
<b>Application Temperature</b>	: +5°C to +40°C	

### AFTER CURING

<b>Hardness Shore A</b>	: 25 ± 5	After 28 days (ISO 868)
<b>Paintability</b>	: Yes *	
<b>Elastic Recovery</b>	: ≥ 70%	(ISO 7389)
<b>Movement Capability</b>	: 25 %	
<b>Elongation at break</b>	: min.120%	(ISO8339)
<b>E100 Modulus (23 °C)</b>	: 0.30-0.40 N/mm <sup>2</sup>	(ISO8339)
<b>E100 Modulus (-20 °C)</b>	: ≤ 0,60 N/mm <sup>2</sup>	(ISO8339)
<b>Elongation at break</b>	: ≥%500	(ISO 37)
<b>Tensile Strength</b>	: 1,5-2 N/mm <sup>2</sup>	(ISO 37)

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



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### GENERAL INFORMATION

The information contained in this technical data sheet is to the best of our knowledge correct, being based on our knowledge and experience to date and cannot be used as a guarantee, due to the various different materials present on the market and the fact that the application conditions are not under our direct control and supervision. ISPO France, however, guarantees constant product quality. ISPO France has the right to modify or update this technical data sheet according to requirements. Customers are kindly requested to verify that they are in possession of the latest version.

**ALWAYS CONSULT THE SAFETY DATA SHEETS BEFORE USING THE PRODUCT**