ISPO France

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Technical Data Sheet

ISPOFLEX 50 FC

DESCRIPTION

ISPOFLEX 50 FC is a one-component, high-modulus polyurethane sealant that cures on exposure to atmospheric humidity. It possesses excellent adhesion to sheet iron, aluminum, stainless steel, lead, copper, ceramic, wood etc.

PROPERTIES

- Permanently flexible
- Fast reaction
- Non-sag consistency - Exceptional thixotropy
- Non-sticky / does not pick up dirt
- No change in volume
- Easy to gun, can be easily smoothed
- Over-paintable
- Conforms to the requirements of VOC content specifications in LEED credit EQc4.1 “Low- emitting products” of SCAQMD rule 1168
- Meets the French VOC requirements for class A+

APPLICATIONS

- Body construction of cars, containers, caravans etc.
- Sealing and bonding of ventilation ducts, gutters and spouts etc.
- Sealing of sheet metal seams
- For vibration reduction in all type of sheet metal assembly works
- Sealing against water, air, gas and dust.

INSTRUCTIONS

- Surface preparation: Joint surfaces must be dry, clean and free of all contamination. Glass, metal and other non-porous surfaces must be free of any coatings and wiped clean with solvent.
- Cut opens the cartridge, screw on nozzle and cut off tip at desired angle. Take off the aluminum cover at the bottom of the cartridge. Insert cartridge in gun and apply the sealant bubble-free continuously into the joint. Fill the joint completely. Smoothen it by pressing with a spatula or similar apparatus.

STORAGE AND SHELF LIFE

12 months if stored properly in its original package.

PACKAGING

Product	*Volume*	*Package*
White / Black / Grey	310ml	12
White / Black / Grey / Brown / Golden Oak (Sausage)	600ml	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	: 20-40 min. (23°C and 50% R.H)	
Curing Rate	: Min. 3 mm/day (23°C and 50% R.H)	
Sagging	: 0 mm	(EN ISO 7390)
Temperature Resistance	: -40°C to +90°C	
Application Temperature	: +5°C to +40°C	
AFTER CURING		
Hardness Shore A	: 50 ± 5	After 28 days (ISO 868)
Paintable	: Yes *	
Elongation at break	: ≥%300	(ISO 37)
Tensile Strength	:Min.2,5 N/mm^2	(ISO 37)

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

GENERAL INFORMATION

The information contained in this technical date sheet is to the best of our knowledge correct, being bases 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 up-date 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 DATE SHEETS BEFORE USING THE PRODUCT