

ISPOCRYL 620

DESCRIPTION

ISPOCRYL 620 is water-borne intumescent acrylic sealant. At the temperatures above 120°C, it reduces the heat transfer by expanding its volume. Also gives extra time with the cooling effect of the released water steam at this temperature.

PROPERTIES

- **Single-component sealant based on plasto elastic acrylic capable of swelling.**
- **Expands in volume at temperatures exceeding 120°C and reduce heat transfer.**
- **Saves time by releasing water vapor to fire,**
- Easy to apply.
- Waterproof layer after drying forms a layer.
- Weather resistant and remains flexible for a long time.
- Safe to use asbestos and halogen free
- Ideal for sealing low movement joints, suitable for up to 50 mm gaps.
- Paintable and fill the surface of the fat-free and does not affect the surface.

APPLICATIONS

- Walls and floors' expansion joints
- Panel joints for insulation purposes and similar materials
- Wood, steel and PVC joinery for isolation
- Decorative joints
- Steel channels, canal boats, for the sealing of cables and cable ducts
- For indoor applications that require fire resistance
- In order to fill in areas where fire resistance applications
- All joints in buildings that require fire resistance
- Fire resistance up to 15% of the desired elasticity of joints shows.

INSTRUCTIONS

- The joints must be clean and free from dust, grease and rust.
- No primer is required for non-porous surfaces. On porous surfaces such as concrete, stone, cement and plaster a primer (mixture of one part acrylic sealant and 4-5 parts of water) can be applied.
- Min/max joint width must be 5mm/25mm. The recommended joint depth/width ratio is 1 to 2.
- Application temperature is between +5 °C and +35 °C.

- Immediately after the application, smooth the sealant at once with wet finger or a wet tool. Excess sealant can be removed by a wet cloth.
- Keep the sealed joint dry at least for two hours.
- Cured sealant can be removed mechanically.

Consumption (approx.)

Application Width	5mm	10mm	15 mm	20 mm	25 mm
Application Depth	3mm	5mm	8 mm	10 mm	12 mm
Efficiency /310 ml	20 meters	6 meters	2,5 meters	1.50 meters	1 meters

STANDARDS

Meets or exceeds the requirements of the following specifications:

- The French VOC requirements for class A+
- M1 Fire Rating according to NF P 92-501 radiation test
- The requirements of VOC content specifications in LEED credit EQc4.1
- “Low-emitting products” of SCAQMD rule 1168.
- 183 minutes Fire resistance according to EN 1366-4 under certain conditions.

RESTRICTIONS

- Damp or humid conditions will significantly extend the cure time.
- Do not attempt to abrade when cured.
- Do not over paint until product has fully cured.
- Do not apply below 5°C

STORAGE AND SHELF LIFE

The shelf life is 12 months if stored in unopened-original package in a dry place at temperatures between +5°C and +25°C.

PACKAGING

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

TECHNICAL PROPERTIES

Basis	: Acrylic Dispersion	
Consistency	: Smooth paste	
pH	: 7.5-9	
Specific gravity	: 1,58 ± 0,03 gr/cm ³	(ASTM D 792)
Tack-Free time	: 30-40 min (23 °C and 50% R.H)	(ASTM C 679-03)
Curing Rate (mm/day)	: 2 mm/day (23 °C and 50% R.H)	

Shore A hardness	: 20 ± Shore A	
Elongation	: > 100%	(ASTM D 412)
Max tensile strength	: ≥ 0,4 N/mm ²	(ASTM D 412)
Application Temperature	: +5 °C to +40 °C	
Volume shrinkage	: %10-15	(ASTM D 412)
