Resyflex® 151 ISO

Hybrid Polyurethane Sealant with Low Modulus of Elasticity

Technical Data Sheet

Material Description

Reyflex® 151 ISO is a high-performance, single-component elastic hybrid sealant specific for all main construction materials

Advantages

- Low Modulus Class 50 Hybrid PU Sealant
- Strong adhesion to the most common construction materials
- Non corrosive
- High resistance to ageing and difficult weather conditions
- Paint-able with Most Paints
- For Internal and External use
- Suitable for Cleanroom Environment
- Non- Bleed; Non- Staining to Porous Substrates
- Reduced Dirt Streaking for Façade Cladding

Areas of Application

- Horizontal and vertical joints.
- Suitable to fill and seal all types of crack and any joints between construction elements.
- Expansion or movement joints.
- Sealing of heavy and light-weight prefabricated elements.
- Excellent adhesion to cement, stone, ceramics, tiles, timber, aluminium, metal, bricks and plasterboard.

Packaging

600 ml sausage foil packed – 12 per box

Safety Instructions

Refer to safety data sheet.

Substrate Preparation

- The surface must be bonded, dry, even, free from oil, dust and loose particles.
- As a best practice, it is recommended to pre-test adhesion of sealant(s) and coating to project substrates.
- Sealant primer may be required for certain substrates' surface.
- Not recommended for underwater uses, on PP/PE. Teflon, PVC or bitumen surfaces.

Standard Colours

White, Black, RAL 9006 Gray; RAL7037 Gray
Other colours available on request.

Storage

- 12 months from the date of production, in the original packaging, sealed and protected against damp.
- Store in a well ventilated room at a maximum temperature.

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Typical Property Data

Characteristics	Values	Test
Shore hardness	15 – 25	ISO 868
Shore (D) hardness	19.6 ± 5	ASTM C661
100% modulus of elasticity	0,15 – 0,25 MPa	ISO 8339
Ultimate elongation	> 250%	ISO 8339
Ultimate elongation	900%	ASTM D412
Tensile strength	1,3 MPa	ASTM D412
Ability to move	+/- 50%	ASTM C719 Class 25 & Class 50
Elastic resilience	> 70%	ISO 7389
Film formation time	≈75'	(+23°C, +50% R.H.)
Curing time	≥ 2.5 mm / 24 hrs	(+23°C, +50% R.H.)
Adhesion-in-Peel	46.3 N	ASTM C794
VOC	3.41 g/L	ISO 11890-2
Application temperature	+5 °C / +40 °C	
Working temperature	-20 °C / +80 °C	
Resistance to creep at +23 °C	≤ 3 mm	ISO 7390
Resistance to creep at +50 °C	≤ 3 mm	ISO 7390
Specific Weight	1,3 g/cm^3	
Shrinkage	1.3 %	ASTM C1246

** All data provided are for reference and should not be used as specifications

Application Standards:

- **ISO 11600: F25LM:** Test report GINGER CEBTP.
- **ISO 11890-2:** Test report VOC
- **ASTM C920:** "Standard specifications for elastomer type sealants" Type S, Level NS, Class 50, use NT and M.
- **ASTM C1248:** Non Stain Non Bleed.
- **DIN 18540: 2006-12:** "Sealing of joints in external construction walls using sealants" by SKZ.
- **SNJF:** Elastomer type bonding agent Facades 25E, anodized aluminium with and without primer P11, mortar with primer P11.
- **CE:** EN 15651-1:2012, Type F EXT-INT CC; EN15651-4:2012 Type PW EXT-INT CC.
- **Singapore Green Building Council:** Certificate Number SGBP 3978 – Excellent
- **HDB Material List**

Product of France

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