

Resyflex® 151 ISO

Low modulus polyurethane sealant for sealing of expansion joints

High-performance, single-component elastic polyurethane adhesive, specific for all main construction materials.



GREENBUILDING RATING®

Resyflex® 151 ISO

- Category: Sealants and adhesives
- Polyurethane sealants



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- Ready-to-use
- Strong adhesion to the most common construction materials
- Elastic, high deformation
- Non corrosive
- Perfect seal
- Filling of cracks
- High resistance to ageing and to difficult weather conditions
- Can be painted over
- For internal and external use

AREAS OF USE

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

INSTRUCTIONS FOR USE

Substrate preparation

The surface must be bonded, dry, even, free from oil, dust and loose particles. The fitter is responsible for checking that the sealant is compatible with the surface in terms of the risk of adhesion and staining. This product is not recommended for underwater uses, on PP/PE, Teflon, PVC or bitumen surfaces.

Application

Apply the sealant with a manual or pneumatic gun. Comply with professional rules and general instructions for creation of joints.

TEST

ISO 11600: F25LM: Test report GINGER CEBTP. ASTM C 920: Test report DL laboratories "Standard specifications for elastomer type sealants" Type S, Level NS, Class 25, use NT and M. **DIN 18540:** 2006-12: "Sealing of joints in external construction walls using sealants" by SKZ. SNJF: Elastomer type bonding agent Facades 25E, with and without primer Keragrip Eco Pulep on anodized aluminium, with and without primer P11 on mortars. CE: EN 15651-1:2012, Type F EXT-INT CC; EN 15651-4:2012 Type PW EXT-INT CC.

* ÉMISSION DANS L'AIR INTÉRIEUR Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Film formation time	≈ 75' (+23 °C, +50% R.H.)	
Curing rate	≥ 2.5 mm / 24 h (+23 °C, +50% R.H.)	
Resistance to flow at +23 °C	≤ 3 mm	ISO 7390
Resistance to flow at +50 °C	≤ 3 mm	ISO 7390
Application temperature	+5 °C / +40 °C	
Movement capability	25%	
Specific weight	1.3 g/cm³	
Shelf life	≈ 12 months in the original packaging, sealed and protected against damp	
Packaging:		
- 300 ml Cartridge	12 per box / 100 boxes per pallet	
- Unipack 400 ml	40 per box / 24 boxes per pallet	
- Unipack 600 ml	20 per box / 30 boxes per pallet	
Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e.temperature, ventilation and absorbcency level of the substrate and of the materials laid.		

PERFORMANCE

HIGH-Tech		
Shore A Hardness	15 – 25	ISO 868
Modulus of elongation at 100%	0.15 – 0.25 MPa	ISO 8339
Elongation at break	> 250%	ISO 8339
Elongation at break	900%	ASTM D412
Tensile strength	1,3 MPa	ASTM D412
Elastic recovery	> 70%	ISO 7389
Application temperature range	-20 °C / +80 °C	
Shrinkage	≤ 10%	ISO 10563
<i>Chemical resistance (information purposes only): to water, cleaning agents, accidental spillage of oils and hydrocarbons, acids, diluted alkalis. Due to polyurethane's sensitivity to UV light, pale colours may change over time. This change is merely aesthetic and has no influence on the mechanical properties of the cured products.</i>		

COVERAGE TABLE

Linear metres of joints with seam sealable with one 300 ml cartridge of Resyflex® 151 ISO

Seam diameter	3 mm	4 mm	5 mm	6 mm	7 mm	8 mm	9 mm	10 mm
	42.5	24	15.3	10.6	7.8	6	4.7	3.8

The trick! In order to have a good adhesion, the seam must be pressed between the two substrates. For small diameters apply a little pressure with the gun, otherwise the sealant will leak out from the back.

COLOUR CHART

White 9010	
Grey 9006	
Anthracite 7016	
Beige 1015	
Black	

Other colours available on request. The shades shown are intended as an indication only.

WARNING

- **product for professional use**
- store in a well ventilated room at a maximum temperature of +30 °C
- see the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service +33 (0) 4 72 89 06 80 – globalservice@kerakoll.com

The Rating classifications refer to the GreenBuilding Rating® Manual 2013. This information was last updated in February 2022 (ref. GBR Data Report - 03.22); please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see www.kerakoll.com. KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions in your building yards and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.