

Unisil® N ISO

Coloured, neutral silicone sealant

Single-component, multi-purpose silicone sealant.
Neutral curing system.
Carpentry, facades and all types of substrates.



GREENBUILDING RATING®

Unisil® N ISO

- Category: Sealants and adhesives
- Neutral silicone sealants

Reduced solvent content 0.2 g/kg
 No environmental hazard rating
 Non-toxic and non-hazardous

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

PRODUCT STRENGTHS

- Easy to smooth
- Quick curing
- Strong adhesion to normal building construction materials
- High flexibility
- Perfect seal
- For internal and external use
- High resistance to ageing and to weather conditions
- UV resistant, non yellowing

AREAS OF USE

Expansion joints in light and heavy prefabricated elements and traditional masonry.
 Sealing of joints in panelling for facades, brick-faced walls, application of skirting boards, external wooden finishing elements.
 Sealing in bathroom and kitchen fitting applications.
 Adheres to almost all substrates: concrete, glass, anodized aluminium, timber.
 Contains fungicide for high resistance to moulds.

INSTRUCTIONS FOR USE

Substrate preparation

The substrate must be clean, dry, stable and free from dust.

The fitter is responsible for checking that the sealant is compatible with the substrate in terms of adhesion and staining. This product is not recommended for use in permanently submerged areas, for the construction of aquariums, on PP/PE, Teflon or bitumen surfaces. If necessary use primer.

Application

Apply with a spray gun.

Comply with the professional rules in force and our general guidelines for sealing.

TEST

ASTM C 920: Test report DL laboratories. Type S, level NS, Class 25, use NT and M.

SNJF: Elastomer type bonding agent Facades 25E, with and without primer Keragrip Eco Pulep on anodized aluminium, with and without primer P11 on mortar.

CE: EN 15651-1:2012, EN 15651-3:2012 type S. Type F EXT-INT.

* 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

Specific weight	1.3 g/cm ³
Movement capability	25%
Film formation time	≈ 15' (+23 °C, +50% R.H.)
Curing rate	≥ 2.5 mm / 24 h (+23 °C, +50% R.H.)
Application temperature	+5 °C / +40 °C
Shelf life	≈ 12 months from the date of production, in the original packaging, sealed and protected against damp
Packaging:	
- 300 ml Cartridge	12 per box / 104 boxes per pallet
- Unipack 400 ml	40 per box / 24 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%	0.20 – 0.30 MPa	ISO 8339
Elongation at break	250%	ISO 8339
Elongation at break	900%	ASTM D412
Tensile strength	1 MPa	ASTM D412
Resistance to flow at +23 °C	≤ 3 mm	ISO 7390
Resistance to flow at +50 °C	≤ 3 mm	ISO 7390
Working temperature	-50 °C / +150 °C	
Elastic recovery	> 70%	ISO 7389
Shrinkage	≤ 10%	ISO 10563

Chemical resistance (information purposes only): to water, cleaning agents, accidental spillage of oils and hydrocarbons, acids, diluted alkalis.

COLOUR CHART

White	
Grey 9006	
Grey 7022	
Stone grey 1001	
Grey plus 7047	
Grey Alu 7044	
Anthracite 7016	
Black	
Beige 1015	
Brown 8014	
Teak 8003	
Bronze	

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

COVERAGE TABLE

Linear metres of joints with seam sealable with one 300 ml cartridge of Unisil® N 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.

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.