PRODUCT DATA SHEET

ISO-TOP SILICONE N / NT

ISO CHEMIE
Use the blue technology.

PRODUCT DESCRIPTION

The neutral cross-linking premium sealant ISO-TOP SILICONE N / NT is the perfect choice for permanently elastic sealing of joints and for internal and external glazing work. Thanks to its excellent water and airtightness after curing and the optimum adhesion to many porous mineral materials, plus rigid PVC, treated wood, metal and glass, it is the perfect all-round sealant, even in cold climates.

APPLICATION

- sealing of all commonly encountered internal and external connection joints with significant movement in renovations and new builds
- sealing of joints in metal constructions
- sealing of connection joints on window and door frames made from wood, metal and plastic
- glazing work (glass sealing and jointing)

AREA OF APPLICATION

Minimum width: 5 mm
Maximum width: 30 mm
Minimum depth: 5 mm
Recommended: < 6 mm; joint depth = joint width
> 6 mm; joint depth = 1/2 joint width

PRODUCT ADVANTAGES

- fast skin forming
- complies with ISO 11600 F&G-25LM
- permanently flexible after curing
- MEKO-free and almost odourless
- colour-fast, resistant to weathering and UV
- strong adhesion to practically all surfaces
- non-corrosive, neutral
- sealant compliant with DIN 18540 and IVD-Merkblatt Nr. 9 (IVD instruction leaflet No. 9)
- complies with the requirements of the Building Energy Act and the recommendations of the RAL "installation guide"

PACKAGING

- 24 cartridges (of 310 ml) per box
- 24 tubular bags (of 400 ml) per box

ACCESSORIES

ISO-TOP EASYPRESS / EASYPRESS PRO and ISO-TOP PRESSFIX for efficient processing

CE

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ISO-TOP SILICONE N / NT

Technical data	Standard	Classification
Colour ISO-TOP SILICONE N Colour ISO-TOP SILICONE NT		white, grey, black, brown, golden oak, beige, anthracite grey RAL 7016* transparent
Base		polysiloxane
Consistency		firm paste
Density in g/ml	DIN 53479	approx. 1.20 (N) / approx. 1.00 (NT)
Processing temperature		+5 °C to +35 °C
Temperature stability range		-60 °C to +150 °C
Skin forming*		at +20 °C / 65 % rel. humidity approx. 8 min.
Speed of curing**		at +20 °C / 65 % rel. humidity approx. 2 mm/24 h
Curing system		polymerisation through air humidity
Shore A hardness	EN ISO 868	24 ± 5 (N), 16 ± 5 (NT)
Re-expansion capacity	ISO 7389	> 80 %
Maximum permissible total deformation	EN ISO 11600	25 %
Elastic module 100 %	EN ISO 8339	approx. 0.39 N / mm² (N) / approx. 0.26 N / mm² (NT)
Tensile strength	EN ISO 8339	1.7 N/mm² (N), 1.2 N/mm² (NT)
Elongation at break	EN ISO 8339	> 700 %
Application method		manual, battery or pneumatic gun
Shelf life		15 months from production date in unopened cartridge and packaging
Storage temperature		+5 °C to +25 °C in a dry environment

* Alternative colours available on request.

** The specifications refer to the completely cured product. Measured according to standard climate DIN EN ISO 291 at 23 °C / 50 % R.H. These values may vary depending on environmental factors such as temperature, moisture and type of substrate.

PROCESSING

Can be used on all standard construction surfaces such as concrete, clinker, brick, aerated concrete, plasterboard, plaster, masonry, fibre cement, rigid PVC and aluminium (except for PP, PE, PTFE and silicones). The adhesive surface must have a sufficient load-bearing capacity and be clean, dust- and grease-free. Contact with bitumen, tar or materials that exude emollients such as EPDM, APTK, chloroprene rubber (neoprene), butyl, insulating coats and foams must be avoided since this could result in incompatibilities such as discolouring or loss of adhesion. We always recommend carrying out an adhesion and compatibility test on any surface before starting work.

HEALTH AND SAFETY

Please refer to our EC safety data sheets for hazard notices, safety advice, storage conditions, disposal notes and transport marking information.

REMARKS

If used as a glass / frame sealant, compatibility as part of the system is to be checked first. Direct contact with the insulating glass composite edge or PVB foil is to be avoided.

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