Wikoplast®-MSN

Elastic hybrid sealant and adhesive for construction, especially for floor and facade joints, compatible with natural stone, paintable

Application areas

Wide range of sealing and elastic bonding applications

- for façade joints (F25 HM), door and window junctions
- for floor joints, parquet , laminate and countless other sealings in the entire building sector
- in vehicle and boat construction as well as for many industrial applications
- furthermore for the elastic bonding of window sills, steel sheets, stair treads, prefabricated elements and many other parts
- for noise reduction between concrete and sewer pipes
- ideal for metal construction specialists, joint specialists, window fitters, painters, plasterers, carpenters, industry, apparatus construction etc.

Product benefits

- suitable for natural stone
- for joint width up to 50 mm
- permanently elastic, high-modulus
- neutral cross-linking
- solvent-free (VOC-free)
- phthalatfrei, plasticiser free, silicone free
- almost odourless
- high elasticity
- recoatable and wet-on-wet lacquerable with most paints, varnishes and parquet sealants
- good adhesion to most, even slightly damp substrates like natural stone , beton, mansory (bricking), plastering, parquet, wood-based materials, metals etc.
- non-foaming, free of shrinkage and bubbles
- seam and joint filling
- no risk of corrosion
- good saltwater, moisture, UV and weather resistance
- good ageing resistance
- non-sensitive to frost
- very suitable for Minergie-(A-/P-) ECO
- corresponds to 1st priority ecoBKP/ecoDevis
- meets the requirements of FDA Code 21 §177.2600 (e) for food contact
- for indoor and outdoor use

Base

MS-Polymer (hybrid); cross-linking is chemically neutral with air humidity, therefore allow the sealant to air freely.

Restrictions

Not suitable for PE, PP, PA, PMMA, PTFE (Teflon®), neoprene, bitumen, swimming pool joints, glazing and waxy substrates. Not compatible with the PVB film of LSG.

Adhesion to transparent materials under the direct influence of UV rays on the adhesive surface is only guaranteed to a limited extent in the long term.

Cleaning agents

Wisatyp TL 16 for cleaning non-absorbent adhesive surfaces and fresh product residues. The cured product can normally only be removed mechanically. To wash your hands, please use water and soap.

Processing

The bonding surfaces must be sound and free of dust and grease.
Pre-coat absorbent and porous substrates with Wi-Primer V-02.
Use Wi-Primer V-01 as a solvent-free alternative.
Clean non-absorbent surfaces with Wisatyp TL 16.
Check treated and non-absorbent surfaces with an adhesion test.
In many cases, the adhesion of delicate surfaces can be significantly improved with the following primer: Wi-Primer V-23 or Wi-Primer V-03.

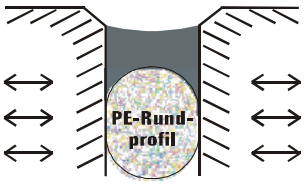
Processing as sealant

Follow the rules for joint dimensioning.
Minimum joint width: 5 mm, minimum joint depth: 5 mm
Maximum joint width: 50 mm
The sealant should not be deeper than the width of the joint.

	Joint width							
Joint depth	**4 mm**	**5 mm**	**6-7 mm**	**8-10 mm**	**12 mm**	**15 mm**	**20 mm**	**25 mm**
4 mm								
5 mm								
6 mm								
7 mm								
8 mm								
10 mm								
12 mm								

Optimum dimensions for moving joints
Limit dimension for slightly moving joints
Dimension for **non-stressed joints**

Before sealing, the joints must be pre-filled by pressing in a resistant, non-absorbent, preferably convex backfill material so that there is an enlarged adhesive surface on the joint flanks.
For this purpose we recommend PE round profiles from our product range.



We recommend masking the edges of the joint with masking tape to ensure a clean and straight joint.

The sealant must be sprayed in such a way that sufficient pressure is exerted on the joint flanks. Smooth the pressed-in sealant with a suitable joint filler before skin formation.

For smoothing joints, our smoothing compound Wikofix GM 52 has proved its worth in practice. We accept no liability for damage caused by the use of commercially available detergents.

Masking tapes must be removed immediately after spraying and smoothing.

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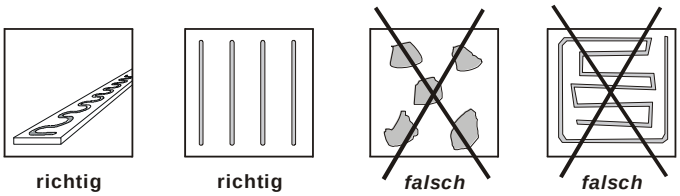
Processing as adhesive



Vertical bead application is recommended to ensure adequate air humidity during curing.

Apply the adhesive evenly at intervals of approx. 10 cm in vertical beads. Join the parts to be glued together before skin formation; if necessary, fix until sufficient strength is achieved (ca. 24 h).

Density	ca. 1.48 g/ml
Consistency	pasty, firm
Skin formation	ca. 40 min under normal conditions (+23 °C, 50 % rel. humidity)
Volume shrinkage	<3 % by volume
Max. total deformation	25 % under continuous strain in practice
Setting time	ca. 2.5 - 3 mm on the first day, then decreasing in depth
Recoatability	Can be overpainted wet-on-wet with many lacquers immediately after application. Floor joints are to be painted over with most paint systems after complete cross-linking. Due to the many colour formulations used in practice, own tests are necessary. The use of alkyd resins and synthetic resin paints may cause a delay in the drying process. Hint: Moving joints generally should not be painted over, as most paints cannot cope with large movements, which can lead to cracking of the paint later on.
Shore A hardness	ca. 40 (acc. to ISO 868)
Temperature resistance	from -40 °C up to +90 °C (after complete cross-linking)
Breaking elongation	ca. 230 % (acc. to ISO 8339)
E-modulus 100 %	ca. 0.8 N/mm² (acc. to ISO 8339)
Tensile strength	ca. 1.1 N/mm² (acc. to ISO 8339)
Water vapour permeability	μ = ca. 6950 (acc. to ISO 15106)
Repairing	can be repaired with the same material

Technical Data Sheet

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Substrates	Beton, compact masonry, natural stone , facade elements, ceramics, enamel, aluminium, steel, galvanized steel, zink, copper, non-ferrous metals, PVC-hard, polyester, epoxy, polystyrene foam (EPS/XPS), many thermoplastics and duroplastic plastics (except PE and PP), treated wood, wood-based materials, in particular parquet etc. For further surfaces, you will need to carry out your own tests.
Processing temperature	from +5 °C up to +40 °C
Frost resistance	up to -15 °C (during transport), non-sensitive to frost
Certificates / Norms	▪ ecobau certificate: MINERGIE-ECO assessment confirmation ▪ EN 15651-1: F EXT-INT CC 25 HM (façade joints) ▪ EN 15651-4: PW EXT-INT CC 25 HM (floor joints)
Further information	You can find more information about this product (link to the product on our homepage, safety data sheet, certificates, special enquiries etc.) under the adjacent ISOPIN QR code.
Item no. + Colour	**MSN 6802 white** **MSN 6808 light grey** **MSN 6803 concrete grey** **MSN 6813 dark grey** **MSN 6806 black** **MSN 6804 brown** **MSN 6826 grey beige** **MSN 6820 dark beige** **MSN 6911 oak***
Delivery form	carton box of 12 cartridges à 290 ml * cartridge à 300 ml (slightly deviating data)
Shelf life	In closed original packaging, protected from direct sunlight and stored in a dry place between +15 °C and +25 °C, the official shelf life is 12 months from date of production (the printed expiry date is decisive).

Safety and disposal: Familiarise yourself with the valid Safety Data Sheets (SDS) for the products used. All applicable safety regulations and disposal instructions must be observed.