**Technical Data Sheet**

# Wisacoll® MSK 6160

## MS polymer assembly adhesive and sealant, universal, elastic and compatible with natural stone

**Application areas**

High-quality adhesive and sealant for

- the entire construction sector and industry
- assembly works (elastic mounting adhesive)
- building construction joints (for indoor and outdoor use, F 20 HM)
- floor joints in the pedestrian zone
- window and door construction
- ideal for metal construction specialists, joint specialists, window fitters, painters, plasterers, carpenters, plumbers etc.

**Product benefits**

- recoatable, lacquerable
- solvent-free (VOC-free)
- very low-emission
- almost odourless
- elastic, high-modulus
- seam and joint filling
- top adhesion to most, even slightly damp substrates like metals, concrete, wood-based materials, many plastics etc.
- non-foaming, free of shrinkage and bubbles
- no risk of corrosion
- good UV and weather resistance
- resistant to saltwater
- compatible with natural stone
- sandable after complete hardening
- absorbs acoustic and mechanical vibrations

**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, PC, PTFE (Teflon®), neoprene, chlorinated water (pools), bitumen, waxy substrates.

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. Not recommended for direct contact with food.

**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 highly absorbent and porous substrates with Wi-Primer V-01.
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.

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**Processing as sealant**

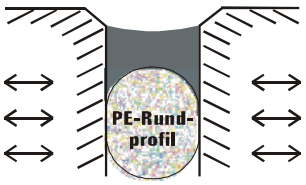
We recommend masking the edges of the joint with masking tape to ensure a clean and straight joint. The sealant must be applied in such a way that sufficient pressure is exerted on the joint flanks. Apply a suitable joint spatula to the pressed sealant prior to skin formation. For smoothing joints, our 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.

Follow the rules for joint dimensioning.
Minimum joint width: 5 mm, minimum joint depth: 5 mm
Maximum joint width: 30 mm, maximum joint depth: 14 mm

| | 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** | | | | | | | | |

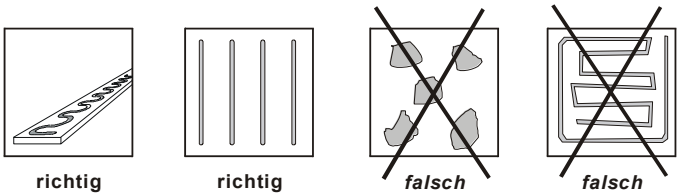
**Optimum dimensions for moving joints**
Limit dimension for slightly moving joints
Dimension for **non-stressed joints**

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.




**Processing as adhesive**

Apply the adhesive evenly at intervals of approx. 10 cm in vertical beads. If possible, interrupt longer beads occasionally. Join the parts to be glued together before skin formation; if necessary, fix until sufficient strength is achieved (ca. 24 h). Do not press the adhesive too flat.




To ensure this in practice, we also recommend using single-sided or double-sided adhesive tape for critical applications (e.g. Wikofix-DK) with a thickness of about 3 mm to distribute the distances evenly.

**Density**

ca. 1.53 g/ml

**Consistency**

pasty, firm

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| **Skin formation** | ca. 10 min under normal conditions (+23 °C, 50 % rel. humidity) |
| **Volume shrinkage** | <3 % by volume |
| **Max. total deformation** | 20 % under continuous strain in practice (F 20 HM) |
| **Setting time** | ca. 2-3 mm on the first day, then decreasing in depth |
| **Recoatability** | Can be overpainted wet-on-wet with many lacquers immediately after application. Can be painted over after complete cross-linking with most paint systems, except mineral paints.<br>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.<br><br>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. 60 |
| **E-modulus 100 %** | ca. 1.35 N/mm² (acc. to DIN 53504 S2) |
| **Temperature resistance** | from -40 °C up to +100 °C (after complete cross-linking) |
| **Breaking elongation** | ca. 300 % (acc. to DIN 53504 S2) |
| **Revovery capacity** | >60 % |
| **Tensile strength** | ca. 2.2 N/mm² (acc. to DIN 53504 S2) |
| **Repairing** | can be repaired with the same material |
| **Substrates** | Concrete, natural stone, compact masonry, facade elements, ceramics, enamel, treated aluminium, steel, galvanized steel, non-ferrous metals, PVC-hard, glass, polyester, epoxy, polystyrene foam (EPS/XPS), many thermoplastics and duroplastic plastics (except PE and PP), treated wood, wood-based materials 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) |
| **Certificates / Norms** | ▪ GEV-EMICODE EC 1 Plus<br>▪ EN 15651-1: F EXT-INT CC 20 HM (façade joints)<br>▪ EN 15651-4: PW EXT-INT CC 20 HM (floor joints)<br>▪ EN 15651-3: Sanitary type XS3 |
| **Further information** | More information about this product (current technical data sheet, safety data sheet, certificates, product variants, etc.) can be found via the adjacent QR code. |

# Wisacoll® MSK 6160

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| **Item no. + Colour** | **MSK 6160.02 white** - cartridge of 290 ml / ca. 440 g<br>**MSK 6160.03 grey** - cartridge of 290 ml / ca. 440 g<br>**MSK 6160.06 black** - cartridge of 290 ml / ca. 440 g |
| **Delivery form** | Packing unit of 12 cartridges of 290 ml / ca. 440 g |
| **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 15 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.