Technical Data Sheet

Wisastruk-Hybrid

Elastic hybrid sealant with granular structure, especially for expansion and connection joints on plaster and abrasion in exterior areas

Application areas

High-quality sealant for expansion and connection joints
- in structural engineering
- in window and door construction
- ideal for joint specialists, window fitters, painters, plasterers, carpenters, metal construction specialists, plumbers

Product benefits

- grained texture provides optimum visual adaptation to plastered or textured surfaces
- fast cross-linking, therefore rapid hardening
- solvent-free (VOC-free)
- fulfils GEV-Emicode EC 1 Plus
- permanently elastic (significantly more elastic than acrylic with coarse-grit structure)
- for indoor and outdoor use, even at low temperatures
- neutral cross-linking
- almost odourless
- no risk of corrosion
- good adhesion to most, even slightly damp substrates
- free of shrinkage and bubbles
- good UV, weather and ageing resistance

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, PMMA, PTFE, neoprene, Teflon®, bitumen, natural stone, swimming pool joints (chlorine), 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.

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 most cases, adhesion can be improved with Wi-Primer V-23 or Wi-Primer V-03.

Follow the rules for joint dimensioning.
minimum joint width: 5 mm, minimum joint depth: 5 mm

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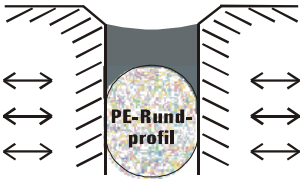
Joint depth	Joint width							
	4 mm	5 mm	6-7 mm	8-10 mm	12 mm	15 mm	20 mm	25 mm
4 mm								
5 mm								
6 mm								
7 mm								
8 mm								
10 mm								
12 mm								

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 spatula 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.

Note for professionals
To obtain a suitable coarser texture, mould the texture filler dry. Wetting with water or smoothing agent makes the surface structure thinner.

Density
ca. 1.4 g/ml

Consistency
pasty, firm

Skin formation
ca. 30 min under normal conditions (+23 °C, 60 % rel. humidity)

Volume shrinkage
<3 % by volume

Max. total deformation
25 % under continuous strain in practice

Setting time
ca. 2 - 3 mm on the first day, then decreasing in depth

Recoatability
Can be painted over after complete cross-linking with most paint systems, except mineral paints. 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.

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Shore A hardness	ca. 25
Temperature resistance	from -40 °C up to +90 °C (after complete cross-linking)
Breaking elongation	ca. 500 %
Revovery capacity	>75 %
Tensile strength	ca. 0.6 N/mm²
Repairing	can be repaired with the same material
Substrates	Plastering, sanding, concrete, mansory (bricking), facade elements, wood-based materials, aluminium, steel, galvanized steel, non-ferrous metals, ceramics, PVC-hard, polyester, many thermoplastics and duroplastic plastics (except PE and PP). 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
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	**STH 6242 white** - cartridge of 300 ml Further colours possible from 400 cartridges or 200 tubular bags.
Delivery form	carton box of 12 cartridges of 300 ml carton box of 12 tubular bags of 600 ml
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.