Technical Data Sheet

Wisatyp® V-50

Transparent, liquid, water- and solvent-free waterproofing, coating and adhesive based on silane-terminated polymers

Application areas

This transparent polymer insulating membrane of the latest generation ensures long-term protection of surfaces. Wisatyp V-50 is suitable for coating, sealing and bonding in the area of:

- balconies, terraces and roofs
- drains, shower trays
- flower boxes, skylights, chimneys
- surfaces that are subsequently buried in the ground
- restoration and repair of damaged floors (e.g. crack repair) and other building materials
- to protect and extend the service life of many materials
- ideal for porous and mineral substrates like e.g. polished and unpolished concrete floors, floor screed, natural stone, setts, plastering, clinker, brick, floor, walls, ceilings, wood-based materials, gypsum fibreboards, glass etc.
- also very suitable many non-absorbent substrates like e.g. metals, EPDM

Product benefits

- clear-**transparent**
- liquid, paintable
- high quality
- good UV, weather and ageing resistance
- outstandingly water-resistant and waterproof
- compatible with natural stone
- ready for immediate use, easy processing
- good adhesion on most, even wet, surfaces
- very efficient and full-bodied (100 % solids content)
- shrinkage-free, non-foaming
- can be walked on
- almost odourless
- anhydrous and solvent-free
- isocyanate free and silicone free
- solidifies the substrate
- makes the surface hard and closes the cells
- film forming, high barrier effect
- no sticking to surface
- resistant to common cleaning agents
- sandable and recoatable (after complete hardening)
- for indoor and outdoor use

Base

silane-terminated polymer, moisture-curing

Restrictions

Not suitable for PE, PP, PC, PTFE (Teflon®), neoprene, mirrors, chlorinated water (pools), bitumen, waxy substrates.
Non-load-bearing, loose, crumbling substrates or rotten wood must be repaired in advance.

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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 substrates to be bonded must be sound, clean, dry, free of dust and grease. Shake container well before use. The product can be applied directly from the container using a (single-use) brush or roller. Depending on the application and absorbency of the substrate, several coats may be necessary. Between coats, allow to dry for approx. 2 - 6 h. In case of porous materials, air bubbles may form on the surface during application. To achieve a uniform appearance, we recommend removing the air bubbles immediately with a brush or roller. Once the product has dried, the air bubbles can no longer be removed. Surfaces treated with this product become smooth and may be slippery if the coating is wet. If necessary, sprinkle a little sand or silica over the last coat while the product is still wet. Close the container tightly again immediately after use. Note: The coating leaves visible traces. Therefore use a masking tape.
Density	ca. 1.1 g/ml
Consistency	liquid, paintable
Viscosity	ca. 1500 mPa*s (low viscous)
Shore A hardness	ca. 80
Consumption	ca. 200 g/m^2 (for the first layer, depending on the absorbency of the substrate also more); when applying a second layer, the amount of material used can be significantly lower (ca. 50 %).
Skin formation	ca. 75 min at +20 °C
Drying time	ca. 6 h at +20 °C (depending on substrate, temperature and application quantity)
Final strenght	after 7 d
Solids content	100 %
Temperature resistance	from -40 °C up to +90 °C
Processing temperature	from +5 °C up to +40 °C; delayed drying at low temperatures

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Chemical resistance	Resistant to:	water, aliphatic solvents, diluted inorganic acids and alkalis, oils, greases
	Limited resistent to:	aromatic solvents, acids, concentrates, chlorinated hydrocarbons
Substrates	Concrete, floor screed, natural stone, setts, cement and gypsum fibre boards, plastering, brick, clinker, wood-based materials, glass, many non-absorbent substrates like e.g. metals, EPDM. In the case of materials and substrates not mentioned above, the suitability and compatibility of the product must be determined by adequate testing.	
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.	
Colour	clear-**transparent**	
Item no. **Delivery form**	**PV 1450.800**	Packing unit of 6 tinplate cans of 800 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 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.