



PRODUCT TECHNICAL DATA SHEET

WIM STRONG

Universal polymer adhesive and sealant

PROPERTIES: WIM STRONG is a one-component, solvent-free, ready-to-use flexible adhesive and sealant based on a hybrid polymer with a neutral curing system. It has high resistance to changing weather conditions, high and low temperatures, and UV radiation. It is also resistant to ageing and the formation of fungi and mould. It has very good adhesion to most materials and substrates used in construction: cement mortars, glass, aluminium, ceramic tiles, natural stone, polymer-mineral conglomerates, extruded polystyrene (XPS), ABS, polystyrene, steel and wood. Perfect for sealing slightly moist, non-porous surfaces. WIM STRONG is characterised by minimal loss of mass and volume after curing. As a result, internal tension in the joints is kept to a minimum, which ensures the expected durability of the joint.

APPLICATION: For assembly, gluing and sealing of elements made of various materials, such as ceramic tiles, natural stone, large-format polymer-mineral conglomerates, wood, glass, metal, plastics and polystyrene. Recommended for gluing and sealing WIM PLATTE building boards (with XPS extruded polystyrene core covered with cement mortar and reinforced with mesh). It is also suitable for watertight gluing and sealing joints of edges of mats and sealing tapes with polypropylene fabric and for filling expansion gaps and connection joints between ceramic tiles and other finishing elements, especially outside buildings. WIM STRONG can be covered with paint.

PREPARING THE SUBSTRATE: The substrate must be load-bearing, clean, dry, free from dust, grease, oil and other adhesion-reducing contaminants. Mortar residues should be removed from the gaps. Degrease glass, tiles, PVC, wood with cracked naphtha or alcohol. Do not use on bituminous, tar or other substrates, which may release oils or solvents.

USAGE: Depending on the application and the type of lining to be installed, apply WIM STRONG in the form of spots or a ribbon on the glued surface, and then put the glued element to the substrate and press it down. Avoid thin layers when gluing: minimum thickness of the adhesive is 2 mm. When filling expansion gaps, cover the edges of the joint to be sealed with painting tape. Cut off the tip of the applicator, according to the width of the gap to be filled. Fill the gap abundantly. Smooth the surface with a silicone mould or by hand within 5 minutes. After smoothing, remove the masking tape immediately. Squeeze the mass out of the cartridge using a manual silicone gun.

TECHNICAL SPECIFICATIONS:

Material base:	hybrid polymer
Colour:	grey or white
Working temperature:	from +5 °C to +40 °C
Skin formation time (23 °C and 50% R.H.):	approx. 10 min.
Curing speed (23 °C and 50% R.H.):	2.5-3 mm/day
Density (ISO 1183):	1.48 g/cm ³
Shore A hardness:	35-40
Reduced Volume after curing:	< 3.5%
Maximum deformation:	25%
Elongation at rupture (ISO 8339-40):	350%
Module at 100 per cent elongation (ISO 8339-40):	0.680 N/mm ²
Module at rupture (ISO 8339-40):	1.250 N/mm ² (12.5 kg/cm ²)
Thermal resistance:	from -40 °C to +90 °C



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CONSUMPTION:

Gluing: approx. 150 g/m² per 1 mm of the layer thickness

Joint filling: Depends on the size, width and depth of the joint

Joint dimensions

Joint width (mm)	Joint depth (mm)	Consumption per linear metre (ml)
4	5	30
6	6	55
8	6	75
10	8	110
15	10	220
20	10	300

CLEANING: Clean immediately after work with mineral turpentine, white spirit or solvent. Remove the hardened mass mechanically.

PACKAGING: 290 ml cartridge

STORAGE: 18 months from the production date in original unopened packaging, at a temperature between +5 °C and +35 °C

The information contained in the Data Sheet represent the principal guidelines for the use of the product and do not exempt the user from the obligation to perform the works in accordance with the standards, rules, guidelines, regulations, technical knowledge, good building practice and health and safety regulations.