

MS SEALANT White hybrid MS polymer sealant adhesive

Référence	EAN	Produit
846232	3660338077814	MS SEALANT White hybrid MS polymer sealant adhesive

Product description

MS SEALANT is a high quality, neutral, elastic, 1-component construction joint and adhesive sealant based on SMX Hybrid Polymer.

Technical Datas

Basis	Hybrid Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 10 min
Curing speed * (23°C/50% R.H.)	2 mm/24h → 3 mm/24h
Hardness**	40 ± 5 Shore A
Density	1,67 g/ml
Elastic recovery (ISO 7389)**	> 75 %
Maximum allowed distortion (ISO 11600)	± 20 %
Max. tension (ISO 37)**	1,80 N/mm ²
Elasticity modulus 100% (ISO 37)**	0,75 N/mm ²
Elongation at break (ISO 37)**	750 %
Temperature resistance**	-40 °C → 90 °C
Application temperature	5 °C → 35 °C



* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product

Application méthodes

Application method: With manual- or pneumatic caulking gun.

Cleaning: Immediately after use

Finishing: With a soapy solution before skinning.

Repair: With the same material.

Properties

- Good extrudability
- Stays elastic after curing and very durable
- Excellent adhesion on nearly all surfaces,

Applications

- Sealing and bonding in the building and construction industry
- Strong elastic bonding in vibrating constructions.
- Sanitary applications
- Sealing of floor joints

Packaging

Colour:

- White

Carton : 15 units

Palette : 1 440 units

Packaging: 290 ml cartridge, 125 ml tube, 200 ml presspack, 600 ml foil bag.

even if slightly moist.

- Can be painted with water based systems
- No odour.
- Very low emission, EC1+ certified
- Impervious to mould, contains biocide with fungicidal action
- Does not contain solvents, isocyanates, acids, halogens and toxic components, completely neutral.
- Good weather and UV resistance

Shelf Life

15 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Chemical resistance

Good resistance to (salt)water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis.

Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

Joints dimensions

Min. width for bonding: 2 mm

Min. width for joints: 5 mm

Max. width for bonding: 10 mm

Max. width for joints: 30 mm

Min. depth for joints: 5 mm

Recommendation sealing jobs: joint width = 2x joint depth.

Health- and Safety Recommendations

Take the usual labour hygiene into account.

Consult label and material safety data sheet for more information.

Dangerous. Respect the precautions for use.

Remarks

- May be overpainted with water based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- The drying time of alkyd resin based paints may increase.
- Can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, like polycarbonate, etc, may differ from manufacturer to manufacturer, we recommend preliminary compatibility test.
- Can not be used as a glazing sealant.

- Not suitable for bonding aquariums.
- Can be used for bonding of and sealing on natural stone.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remainings will stimulate the development of fungi.
- Do not use in applications where continuous water immersion is possible.
- A total absence of UV can cause a color change of the sealant.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Has a good UV resistance but can discolour under extreme conditions or after very long UV exposure.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discolouration and loss of adhesion

Substrates

Substrates: all usual building substrates, natural stone, treated wood, PVC, plastics

Nature: rigid, clean, dry or slightly moist, free of dust and grease.

Surface preparation: Prepare non-porous surfaces with a cleaner. The surfaces should be degreased before bonding them together. This product has been tested on the following metal surfaces: steel, AlMgSi1, electrolytic galvanised steel, AlCuMg1, flame galvanised steel, AlMg3 and steel ST1403. This product has an excellent adhesion on most common substrates: all usual building substrates, natural stone, treated wood, PVC, plastics. MS SEALANT SEALANT ADHESIVE also has a good adhesion on plastics: polystyrene, polycarbonate (Makrolon®), PVC, ABS, polyamide, PMMA, fiberglass reinforced epoxy, polyester. While producing plastics very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding or sealing.

NOTICE: bonding plastics like PMMA (e.g. Plexi® glass), polycarbonate (e.g. Makrolon® or Lexan®) in stress loaded applications can give rise to stress cracking and crazing in these substrates. The use of MS SEALANT is not recommended in these applications. Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass. We recommend a preliminary adhesion and compatibility test on every surface.