

MS SEALANT AQUA Crystal hybrid MS polymer sealant adhesive

Reference	EAN	Product
847779	3660338088810	MS SEALANT AQUA Crystal hybrid MS polymer sealant adhesive

Description

MS SEALANT AQUA is a high quality, crystal clear, neutral, elastic, 1-component adhesive based on SMX-Polymer.

Basis	SMX Hybrid Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 4 min
Curing speed * (23°C/50% R.H.)	2 mm/24h → 3 mm/24h
Hardness**	38 ± 5 Shore A
Density	Ca. 1,05 g/ml
Elastic recovery (ISO 7389)**	> 75 %
Maximum allowed distortion (ISO 11600)	± 20 %
Max. tension (ISO 37)**	Ca. 1,80 N/mm ²
Elasticity modulus 100% (ISO 37)**	Ca. 0,60 N/mm ²
Elongation at break (ISO 37)**	Ca. 350 %
Temperature resistance**	-40 °C → 90 °C
Application temperature	5 °C → 35 °C



Application methods

Application method: With a manual, pneumatic or accu caulking gun.

Cleaning: Clean with Soudal Surface Cleaner or with Soudal Swipex, immediately after use Cured Fix ALL Crystal can only be removed mechanically.

Finishing: With a soapy solution or Soudal Finishing Solution before skinning.

Repair: With the same material.

Packaging

Colour :

→ Transparent

Carton : 15 units

Pallet : 2 550 units

Packaging: 290 ml cartridge, 80 ml tube, 600 ml foil bag

Properties

→ Crystal clear formulation

→ Excellent adhesion on nearly all surfaces, even if slightly moist.

- Very good mechanical characteristics.
- Impervious to mould, contains biocide with fungicidal action
- Suitable for sanitary applications.
- Good extrudability even at low temperatures
- Free of isocyanates, solvents, halogens and acids
- Can be painted with water based systems
- Permanently elastic after curing

Applications

- All common bonding applications, both in and outdoor.
- Sealing joints indoors.
- Transparent and elastic bonding in construction and building applications.
- Invisible bonding of glass and other transparent materials in indoor applications.
- Joints in bathrooms and kitchens.

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: 1 mm

Min. width for joints: 5 mm

Max. width for bonding: 3 mm

Max. width for joints: 10 mm

Min. depth for joints: 5 mm

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

- MS SEALANT AQUA is paintable with waterbased 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.
- MS SEALANT AQUA 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.
- MS SEALANT AQUA is not suitable for expansion joints.
- Do not use in applications where continuous water immersion is possible.
- Can discolour under extreme conditions or after very long UV exposure.
- Can not be used as a glazing sealant.
- Not suitable for bonding aquariums.
- Cannot be used 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.
- A total absence of UV can cause a color change of the sealant.
- 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.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

Substrates

Substrates: all usual building substrates, glass, treated wood, PVC, plastics, metals, stone, concrete, ...

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

Surface preparation: Prepare nonporous surfaces with a cleaner.

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 AQUA is not recommended in these applications. Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or coppercontaining materials such as bronze and brass.

We recommend a preliminary adhesion and compatibility test on every surface.