FOAM SEALANT
TECHNOLOGIES

TECHNICAL DATASHEET

MS-50 Crystal Clear Hybrid Sealant

General-purpose hybrid polymer based transparent adhesive for bonding and sealing various materials.
*   Suitable for most substrates, including moist substrates
*   Does not cause corrosion on metals
*   Very easy to use and finish
*   Stays elastic after curing
*   UV and weather resistant
*   Paintable
*   Does not shrink during the curing process
*   Does not contain harmful ingredients.

Fields of application

Suitable for gluing and sealing indoors and outdoors. Adheres well to most building materials such as brick, concrete, plaster, wood, chipboard, cork, glass, ceramics, various plastics and metals.

Used for gluing slats, mirrors, ceiling and wall decorations; for fastening conduits and joint boxes during electrical works; filling in cracks and gaps at construction sites. Moderately resistant to chemicals such as aromatic solvents and concentrated acids.

Application conditions

All surfaces must be clean, dry, dust free, and cleaned from dirt, fat and oil. Application temperature +41°F to +104°F.

Application instruction

Test the adhesion of the adhesive on the substrate before use in order to make sure that the product is suitable for the intended purpose. The surfaces must be free from fat, oil, dust and loose particles.
Cut off the threaded end of the cartridge and screw on the application nozzle for directing adhesive. Cut the threaded end at an angle of 45° so that a suitable opening for application is produced.
Place the cartridge together with the applicator in the gun and fill the installation nozzle with adhesive, by repeatedly pressing the gun trigger.
For gluing, the surfaces to be adhered should be covered with the adhesive and then pressed together.
Leave the parts under pressure for 2 hours. For critical joints and heavier glued parts, the parts should be kept under pressure until the mass has completely cured (see technical information).
For sealing, apply the general-purpose adhesive in the joint and smoothen it using your finger moistened in soap water or with a silicone scraper before a film forms.
During the curing process, make sure that there is no dirt on the surface and that no mechanical load is applied to the joint surface.

Cleaning

Use organic solvents such as acetone or white spirits for removing uncured adhesive. Cured adhesive should be removed mechanically.

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Technical data

Property	Unit	Value
Tack free time	minutes	10-15
Final curing	mm/24 h	2
Density (DIN 53479)	g/cm³	1,05
Hardness (Shore A) (DIN 53505)		50
Tensile strength at breaking point (ISO 8339)	N/mm²	1
Tensile strength at breaking point (ISO 37)	N/mm²	2,5
Modulus at 50% Elongation (ISO 8339)	N/mm²	1
Modulus at 100% Elongation (ISO 37)	N/mm²	1
Elongation at breaking point (ISO 8339)	%	60
Elongation at breaking point (ISO 37)	%	270
Temperature resistance after curing	°F	-40...+176
Application temperature	°F	+41…+104

The parameters indicated have been measured at +74°F and 50% relative air humidity.

Colour

Transparent.

Package

9.8 fl.oz cartridge, 12 pcs in a box.

Storage

Guaranteed storage time 18 months starting from the date of manufacture if stored in a closed original package in a dry place between +41°F and +86°F.

Limitations

Do not use for sealing aquariums and underwater joints. The compatibility between the paint and the adhesive should be tested.

Safety regulations

Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with water and seek medical advice.
Cured adhesive can be handled without any danger to health.
Detailed safety information is available on safety data sheet (SDS).

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Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application.