

Flexyfix Sealant

Revision: 18/10/2022

Page 1 from 3

Technical data

Basis	MSP 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 %
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.

Product description

Flexyfix Sealant is a high quality, neutral, elastic, 1-component adhesive and construction joint sealant based on MSP Hybrid Polymer.

- Sealing and bonding in the building and construction industry.

Packaging

Colour: white, grey, other colors on request

Packaging: 290 ml cartridge, 600 ml foil sausage.

Properties

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

24 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.

Applications

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

Substrates

All usual building substrates, glass, treated wood, PVC, plastics, metals, stone, concrete.

Note: The information contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Rewmar reserves the right to modify products without prior notice.

Flexyfix Sealant

Revision: 18/10/2022

Page 2 from 3

Surface preparation:

Always ensure the surfaces are clean and free of dust grease etc. Remove any protective films. NOTE: 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 Flexyfix 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.

Joint 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

Application method

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

Cleaning: Clean with Rewmar Wipes or with a damp cloth, immediately after use. Cured Flexyfix Sealant can only be removed mechanically.

Finishing: With a soapy solution before skinning.

Repair: With the same material.

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.

Notes

- Flexyfix Sealant 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.
- Flexyfix Sealant 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.
- Do not use in applications where continuous water immersion is possible.
- Flexyfix Sealant can discolour under extreme conditions or after very long UV exposure.
- Flexyfix Sealant can not be used as a glazing sealant.
- Not suitable for bonding aquariums.
- Flexyfix Sealant can 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.

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Flexyfix Sealant

Revision: 18/10/2022

Page 3 from 3

Standards and certificates

- Tested according to ISO 16938-1 (Testing for staining on natural stone by sealants).
- Declaration of compliance ISEGA - Tested for use in foodstuffs-related area.

Environmental clauses*Leed regulation:*

Flexyfix Sealant conforms to the requirements of LEED. Low -Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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