

Technical Datasheet

Version: November 2024



SCIBO SEAL MS 410 B

Premium Hybrid sealant for construction and building joints

Product description:

SCIBO SEAL MS 410 B is an elastic, 1-component hybrid sealant based on MS polymers. For sealing expansion and connection joints in building constructions.

Areas of application:

- Joints in building construction according to DIN EN 15651-1
- All standard construction joints
- Window and door connection joints
- Joints where movement capabilities is required

Technical Data:

Properties	Unit	
Chemistry		MS Hybrid
Appearance		Non sag thixotropic
Through Cure at 23 °C / 50 % RH	mm	2 per 24H
Shore A Hardness DIN EN ISO 868		25 ± 5
Density DIN EN ISO 1183	g/cm ³	1.40 ± 0.02
Skin time at 23 °C / 50 % RH	Min	30 ± 5
Elastic modulus DIN EN ISO 8339	N/mm ²	< 0.4
Tensile Strength DIN EN ISO 527-2	N/mm ²	ca. 1.0
Elongation at break DIN EN ISO 527-2	%	600
Elastic Recovery DIN EN ISO 7389-B	%	≥ 70
Volume Shrinkage DIN EN 10563	%	≤ 5
Application Temperature	°C	+0°C to +40°C
Temperature Resistance	°C	-40°C to +90°C

Features and properties:

- Very good workability and modelling properties
- Very good adhesion to surfaces such as metal, glass, aluminium – without pre-treatment
- Minimized dust and dirt adhesion, permanently tack-free shortly after skin formation
- Cures without bubbles
- Solvent-free and low odour
- Can be painted/re-painted (see 'Special instructions')
- Silicone-, alkaline-, acid- and isocyanate-free
- Colourfast, weather- and UV-resistant
- Very low-emission, EC1+ certified

Certifications and norms:

- DIN EN 15651 – 1: F INT-EXT-CC, Klasse 25LM
- EMICODE EC1 Plus
- BREEAM International GN22
- French VOC Emissionsklasse A+
- Rakennustietosäätiö: M1
- Indoor Air Comfort GOLD

Special Instructions:

- SCIBO SEAL MS 410 B adheres to common construction substrates such as aluminium, glass, glazed ceramics or painted/glazed wood without the need for a primer. However, it is always recommended to first perform an adhesion and compatibility test on any substrate.
- The surfaces to be bonded must be clean, free of grease, oil, separating agents and other contaminants, dry and capable of holding the adhesive. SCIBO SEAL MS 410 B also adheres to moist surfaces, but the adhesion may be lower.
- The requirements for elastic seals depend on the respective external influences. In the event of extreme temperature fluctuations, major expansion or shear forces, etc., we recommend using a suitable primer to achieve a connection and adhesion that can withstand the highest possible loads.
- On concrete, sand-lime brickwork, mineral plaster, fibre cement and similar substrates, a suitable primer must be applied to the cleaned substrate in advance.
- Due to the wide range of coating systems available on the market, we recommend carrying out appropriate compatibility and adhesion tests in advance.
- PMMA and polycarbonate must only be glued without tension, otherwise stress cracks may occur. We recommend preliminary tests with these plastics.
- After applying, it cannot be ruled out that the colour shades of SCIBO SEAL MS 410 B may be affected by environmental influences.
- High resistance to (salt) water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and bases. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.
- SCIBO SEAL MS 410 B is not recommended as a glass sealant and is not suitable for bonding aquariums.
- SCIBO SEAL MS 410 B can be stored for 18 months in its original packaging (unopened container) between 10°C and 25°C in a cool, dry place. The storage temperature should not exceed 25°C for extended periods of time. Keep away from wet areas, direct sunlight and heat sources.

Packaging:

	Units p Box	Units p Pallet	Standard Colours
310ml Cartridges	12	1248	Various* including White, Black and Grey
600ml Alu Foils	20	800	Various* including White, Black and Grey

*For complete color portfolio ask our Customer Service Representative

Safety and Disposal Precautions:

Please refer to the information on our Safety Datasheets (SDS).

Warranty:

All information in this technical datasheet is based on our current technical knowledge and experience. As conditions and methods of use and application of our products are beyond our control, we suggest that you test the product before final use. The information on the technical datasheet can't be seen as a warranty. The properties and characteristics stated in the leaflet are indicative. We reserve the right to alter and change the product according to technical progress and new developments. Our recommendations do not excuse the user from the obligation to take into consideration the possibility of infringement of 3rd parties rights and resolving it. For the rest our General Terms and Conditions apply in particular regarding liability in case of defects. Our General Terms and Conditions you can find on www.scibo-chemie.com