

## Technical Datasheet

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# SCIBO BOND MS 440 High Tack

Premium High Tack Hybrid Adhesive

### Product description:

SCIBO BOND MS 440 High Tack is a 1-component High Tack adhesive based on MS Polymers.

### Areas of application:

- General purpose sealing and bonding in the construction industry
- Strong bonding in vibrating constructions
- Elastic bonding of panels, profiles and most other substrates
- Bonding of objects including small ornaments, panels and profiles
- Bonding of mirrors, natural stone, stone and untreated wood
- Bonding for industrial applications, including car bodies, caravans and metal containers

### Technical Data:

Properties	Unit	
Chemistry		MS Hybrid
Appearance		Non sag thixotropic
Through Cure at 23 °C / 50 % RH	mm	3per 24H
Shore A Hardness DIN EN ISO 868		53 ± 5
Density DIN EN ISO 1183	g/cm <sup>3</sup>	1.54 ± 0.02
Skin time at 23 °C / 50 % RH	Min	15 ± 5
Elastic modulus DIN EN ISO 8339	N/mm <sup>2</sup>	1,4
Tensile Strength DIN EN ISO 527-2	N/mm <sup>2</sup>	ca. 2,30
Elongation at break DIN EN ISO 527-2	%	400
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:

- High initial adhesion and fast curing
- Easy workability and gunnability
- High shear strength after curing
- Compatible with natural stone, does not cause bleeding and discolouration
- Adhesion, even without primer, to most common surfaces such as metal, glass, aluminium and many more, also adheres to slightly damp surfaces
- Low odour
- Very low emission, EC1+ certified
- Free of silicone, alkalis, acids and isocyanates
- Can be over-painted (see 'Special instructions')

### Certifications and norms:

- DIN EN 15651 – 1: F INT
- EMICODE EC1 Plus
- French VOC emission class A+
- Indoor Air Comfort GOLD

**Special Instructions:**

- SCIBO BOND MS 440 High Tack adheres to common building surfaces such as aluminium, glass, glazed ceramics or (lacquered) wood, even without a primer. However, it is always advisable to perform an adhesion and compatibility test on every substrate.
- SCIBO BOND MS 440 High Tack does not adhere to PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous surfaces.
- Mirrors, natural stone, marble, granite, concrete and other critical/porous materials can be bonded and/or mounted with SCIBO BOND MS 440 High Tack.
- Apply the adhesive vertically (ventilating) in grooves with a minimum distance of 10 cm and a maximum distance of 20 cm. Do not apply the adhesive as dots. The ideal adhesive density is 2 to 3 mm.
- All adherent surfaces must be clean and free of release agents, grease, oil, dust, water, old adhesives and sealants, and other substances that could affect adhesion. Clean and remove any contaminants of the adherent surfaces. SCIBO BOND MS 440 High Tack will adhere on condensed/wet surfaces, however the final adhesion could be affected.
- The requirements on elastic sealing and bonding depend on many exterior influences. Extreme fluctuations in temperature, tensile or shear forces, contact with water, etc. are very demanding for the hybrid sealant. In such cases, it is advisable to apply a primer in order to achieve the long-term adhesion.
- SCIBO BOND MS 440 High Tack can be painted and varnished but due to the large number of paints and coatings available on the market, we always recommend compatibility and adhesion tests in advance.
- After complete curing, environmental influences can affect the colour of SCIBO BOND MS 440 High Tack.
- Good resistance to water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids, alkalis and salt water. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.
- SCIBO BOND MS 440 High Tack is not recommended as a glazing sealant and is not designed for bonding aquariums.
- SCIBO BOND MS 440 High Tack 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 3<sup>rd</sup> 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](http://www.scibo-chemie.com)