

Product information

Vi-Pro® Strongbond SB55 MS

Version: 1.1/EN

Date: 04.11.2022

Vi-Pro® STRONGBOND SB55 MS **One-component flexible MS Polymer adhesive / sealant**

Product description:

Vi-Pro® Strongbond SB55 MS is a universal, one-component, gun-applied, non-sagging, flexible adhesive and sealant based on silane-modified polymer. It cures under the influence of atmospheric moisture, creating a high-performance, permanently elastic adhesive. Free from solvents and isocyanates.

Application areas:

Vi-Pro® Strongbond SB55 MS is a universal and efficient flexible adhesive and sealant intended for flexible bonding and sealing applications in construction and industrial assembly, automotive, transport (coaches, caravans, refrigerated vehicles, containers), maritime industry, air conditioning and ventilation where a strong elastic bond and a strong elastic adhesive bond are required.

Suitable for bonding:

- natural stone, ceramics, wood and stone veneer,
- insulated glass in window frames (window bonding),
- EPDM gaskets and membranes,
- panel doors,
- internal panels and claddings,
- strengthening and reinforcing of various panels,
- steps on stairs,
- bonding window installation profiles to wall,
- bonding window perimeter tapes,
- bonding and sealing of ventilation and air-conditioning ducts in HVAC.

Properties:

- Silane modified polymer
- Free of solvents and isocyanates
- Good resistance to aging and weather conditions
- Exceptional thixotropic properties, non-sagging, short cut-off
- Permanently flexible over a wide temperature range
- No bubble formation, easy to use and process
- Excellent adhesion without primer to majority of common building and industrial materials and substrates

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- Neutral, does not damage the surface
- Can be painted with many types of water-based and solvent-based paints (pre-testing recommended).

Technical parameters:

Apperance	Non-sagging thixotropic paste
Colour	Grey, white, black. Others on request
Chemical base	Silane modified polymer
Curing mechanism	Curing with moisture
Deep hardening (mm), (24h-23°C i 50% RH)	About 3,0
Shore A hardness (N/mm²), (DIN 53505)	About 50
Density (g/cm³)	About 1,65
Tack free time (min), (23°C i 50% RH)	About 20
Modulus of elasticity at 100% (N/mm²), (ISO 37 DIN 53504)	About 1,8
Tensile strength (N/mm²), (ISO 37 DIN 53504)	About 2,6
Elongation (%), (ISO 37 DIN 53504)	About 270
Application temperature (°C)	od +5 do +40
Temperature resistance (°C)	-40/+100, (short-term up to +120)

Recommended conditions of use:

Surface preparation:

The surfaces to be treated must be perfectly clean, dry and free from dust and grease. The glued surfaces should be processed in accordance with the recommendations for application on smooth surfaces, use the Vi-Pro® Easy to Clean solvent. It is recommended to perform preliminary adhesion tests to the substrate. If an adhesion promoter primer is required, please contact your local supplier for a suitable Vi-Pro® primer recommendation.

Unscrew the cap. Screw the plastic nozzle on and cut it at an angle depending on the thickness of the sealant layer. Place the cartridge in a manual or air operated gun (eg.

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Vi-Pro® Pneumatic Gun or Vi-Pro® G613) and carefully squeeze out the adhesive / sealant taking care not to trap air. After opening, the cartridges should be used up relatively quickly. The optimal working temperature for both the substrate and the sealant is between 15 ° C and 25 ° C.

Treatment and finishing with Vi-Pro EASY TO TOOL should be done before the within the tack free time. Vi-Pro® Strongbond SB55 is paintable. The paint must be tested for compatibility by carrying out preliminary trials. Be careful with the use of alcohol or alkyd, as they can interfere with the curing process of the mastic and reduce the drying time of the paint itself. Please note that the hardness and thickness of the paint film can reduce the flexibility of the sealant and lead to cracking of the paint film.

Do not cure in the presence of curing silicone sealants. Avoid contact with alcohol and other solvent based cleaners during curing. Avoid entrapment of air when applying sealant. As sealant cures by reaction with moisture, adequate air contact must be ensured. Glued elements may require additional immobilization or support during hardening.

Tool cleaning:

Clean tools with Vi-Pro Wipes, Vi-Pro Easy to Clean, acetone or alcohol immediately after use. Hardened material can only be removed mechanically.

Limitations:

Perform compatibility tests before use of Vi-Pro® Strongbond SB55 MS on bituminous substrates, natural rubber and other substrates that may release oils, plasticizers or solvents that may degrade the sealant.

Package:

Vi-Pro® Strongbond SB55 MS is supplied in 600 ml sausages, 20 pieces per carton.

Storage:

Vi-Pro® Strongbond SB55 MS can be stored for 12 months in its original packaging (unopened container) at 5 ° -25 ° C in a cool, dry place. The storage temperature should not exceed 25 ° C for a long time. Store away from wet places, direct sunlight and heat sources.

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Precautions:

The Material Safety Data Sheet is available upon request. Material Safety Data Sheets are made available to the customer for proper handling, safety and waste disposal, and compliance with local health and safety legislation. Safety data sheets are regularly updated, therefore the most recent version of the safety data sheet should be read before using any product.

Do not dispose of by incineration. Use in a well-ventilated area. In case of contact with skin, remove immediately and wash with soap and water.

BEFORE USING THE PRODUCT, ALWAYS READ THE MATERIAL SAFETY DATA SHEET.

Customer Notes:

The above information is accurate and to the best of our knowledge, based on reliable research and practical experience. The specified properties are provided for guidance only and do not constitute guaranteed product properties. The customer should test the product for specific applications to be sure that it has the expected properties and provides the required operating performance. The only warranty states that the product meets the specifications stated in the sales specification at the time of delivery. This warranty is limited to the replacement or return of the value of the purchased product in the event that it is different than the guaranteed one. The seller is not liable for any incidental or consequential damages.

Additional information is available at: +48 22 122 85 49 and reach@vi-pro.eu