MAX 215

SILYL MODIFIED POLYMER ADHESIVE AND SEALANT

DISCRIBTION

MAX215 is a high-quality elastic adhesive/sealant based on Silyl Modified Polymer (SMP) technology, featuring excellent adhesion, weather resistance, and durability. After curing, it forms a stable rubber elastomer with outstanding adhesion to the substrate.

APPLICATIONS

- Elastic bonding and sealing between panels or between panels and keels, such as various wooden panels, Eternit boards, fiber cement boards, ALC boards, etc.
- Sealing and bonding waterproof tarpaulins of various materials
- Can be used for sealing and bonding most building materials such as metals, plastics, concrete, etc.
- suitable for metal structures, such as the waterproof sealing of various gaps between different materials in the construction of fume hoods, air conditioners, warehouses, and boxes, as well as the elastic sealing of weld seams and joint parts.
- widely applicable to the installation of billboards and glass display cabinets, home decoration, as well as the bonding and sealing of artworks.

FEATURES

- Good adhesion on common substrates without primer.
- Excellent UV and aging resistance.
- High modulus, high elastic recovery rate, low shrinkage rate after curing.
- Maintains long-term elasticity within the temperature range from -40℃ to +90℃.
- Neutral, odorless and cures relatively fast.
- Low VOC, environmentally friendly, free of volatile organic compounds such as formaldehyde and benzene, toluene, xylene, free of solvents and isocyanates.
- No pollution to the substrates.
- Good paintability and compatibility with various paints and coatings. After painting, it causes no pollution to the coatings (Considering the complexity and diversity of the paint systems, it is recommended to conduct a compatibility test before use).

TECHNICAL DATA

Basic material		Silyl Modified Polymer (SMP)
Curing method		moisture
Tack free time		10-30 min
Solvent content		0 %
Isocyanate content		0 %
Colors		Black，White, Grey
Density GB/T 13477.2	23℃	approx. 1.58g/ml
Sagging GB/T 13477.6		0 mm
Curring time		2-3mm/24 hours
Shore A hardness DIN53505		approx. 45
Application temperature		+5℃ to +40℃
Temperature resistance		-40℃ to +90℃

Tensile strength GB/T528	≥1.5 MPa
Elongation at break GB/T528	300 %
Volume shrinkage DIN 52451	< 3 %
UV- and weather resistance	excellent

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ADHESION

Under normal circumstances, MAX215 has excellent adhesion to the surfaces of clean, dry substrates without dust and oil stains, even without a primer. Examples of such substrates include aluminum, stainless steel, galvanized steel, zinc, copper, painted metals, glass, PVC, fiber-reinforced plastics, painted wood, etc. However, it has no adhesion to untreated polyethylene and Teflon.

For bonding various substrates, due to the diversity and differences of materials, especially for substrates such as rubber, plastics, and coatings, it is necessary to pre-test the adhesion performance before use. It is recommended to consult our technical service engineers and conduct adhesion compatibility tests before application to ensure that the actual usage requirements are met.

DIRECTIONS OF USE

MAX215 can be easily extruded with a manual or pneumatic glue gun within the temperature range of +5°C to 40°C. In sealing applications, MAX215 should be smoothed and trimmed on the surface of the sealant before the sealant surface skins over. (The skinning time of the sealant will vary under different environmental humidity and temperatures. For example, at 23°C and 50% relative humidity, the skinning time is approximately 20 minutes.) A scraper or a spatula can be used for this purpose. The scraper or spatula can also be wetted with soapy water for trimming the adhesive surface, but it is necessary to avoid the soapy water from seeping between the bonded substrate and the sealant, as this may lead to bonding failure. To clean the tools or remove the uncured residual MAX215, a clean and colorless cloth wetted with isopropyl alcohol can be used for removal.

PACKAGING

600 ml *20 Sausages per carton
300 ml *24 Cartridges per carton

BoxSTORANGE & SHELF LIFE

MAX215 can be stored for 12 months in its unopened packaging in a cool and dry environment with a temperature range of 5°C to 35°C. Under normal circumstances, common transportation methods will not affect the product's performance.

HEALTH & SAFETY

Product Safety Data Sheet must be read and understood before use. It is available on request.

The data and suggestions provided in the above technical materials are only based on the tests conducted by our company and do not guarantee their completeness and accuracy. Since the actual performance, shelf life and characteristics of the product may vary due to the different actual production and application conditions and environments of each user, the user is responsible for testing our company's products for the actual purpose before formal production. Production can only be carried out after confirming that the company's products meet the actual purpose. This product data is only based on specific test conditions, and the above technical materials are for reference only. Since the actual usage conditions of the user's company's products (referring to the user's production process and process control and actual application status, etc.) are beyond the control of our company, our company does not guarantee whether the product is suitable for the final specific purpose. Our company's products are sold in accordance with our company's sales contract, and the test results provided by our company according to the needs of customers are for the reference of users only and do not constitute our company's guarantee and commitment to the quality of users' products. For more information, please consult the Bostik technical service department.

If you need support

Please contact the local technical service



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