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VT-622 All-Stik MS Clear Sealant

Clear One-Component MS Sealant

BASE
One-component
MS Polymer

PHYSICAL STATE
Clear paste

COLORS
Clear

TACK-FREE TIME
10 – 20 minutes
(at 25 °C & 50% R.H.)

CURE DEPTH
2 – 3 mm / 24 hours
(at 25 °C & 50% R.H.)

PACKAGING
290 mL/cartridge
(20 cartridges/carton)

SHELF LIFE
12 months

STORAGE
Store in a dry and cool place with temperature below 30 °C

APPLICATION TEMPERATURE
5 °C – 40 °C

SERVICE TEMPERATURE
-30 °C – 90 °C

(Scan to learn how to use)

Visit product page:
https://vitaltechnical.com/product/vt-622-all-stik-ms-clear-sealant/

DESCRIPTION

VT-622 All-Stik MS Clear Sealant is a new generation MS Polymer adhesive / sealant formulated for all bonding and sealing applications where long term reliability is required. It has excellent bonding strength on various materials. It will cure to form a durable, flexible, waterproof seal.

TECHNICAL DATA

Curing System	: Moisture curing	
Specific gravity	: 1.04 g/mL	
Ultimate tensile strength	: 1.4 N/mm²	ASTM D 412
Elongation at break	: 210 %	ASTM D 412
Shore A Hardness	: 38	ASTM C661
Initial grab strength	: 25 kg/m²	
Low VOC compliance	: Yes	SCAQMD Rule 1168
	: 30 g/L	USEPA Method 24

FEATURES

- Crystal clear
- Bonds various materials
- Primerless bonding to most surfaces

APPLICABLE TESTS / STANDARDS

VT-622 meets the requirements of:
- Low VOC - USEPA Method 24 under SCAQMD Rule 1168

APPLICATION

Bonding and sealing of various materials: plastics (nylon, PVC, ABS, etc.), metal (stainless steel, aluminium, copper, etc.), rubber (natural rubber, synthetic rubber, EPDM, etc.), natural materials (wood, leather, etc.), inorganics (concrete, natural stone, tiles, glass, etc.) and clear glass block.

PREPARATION

- Substrate surface must be dry and clean; free of dirt, grease, oil, or standing water.
- Use the two-cloth method to clean if surface is dirty. (Refer application direction)
- For a neat finishing, use masking tapes and remove it within the working time.
- 602 Primer is recommended especially for porous substrates such as concrete for excellent adhesion.
- For sealant designs with depths of over 10 mm, use approved backing materials.

APPLICATION DIRECTION

Two-cloth Method

1. Use a clean, lint-free, and absorbent cloth.
2. Pour an appropriate amount of solvent onto the cloth.
3. DO NOT dip the cloth into the solvent container as it could contaminate the cleaning solvent.
4. Wipe vigorously to remove any contaminant and check if there is any contaminant picked up.
5. Continuously wipe the surface until no contaminant is picked up.
6. Always rotate the cloth to make sure a clean area of the cloth is used to wipe the surface.
7. Immediately wipe the surface with solvent with a separate clean cloth. This will ensure that the surface to be free of any dirt or contaminant left by the first wipe.
8. Make sure that the surface is dried off completely before applying primer or sealant.

Choice of solvent

- The choice also solvent or cleaning agents used to clean the surface will affect the adhesion of sealant.
- Detergents and soap solutions should not be used as they will leave a film on the surface.
- On the other hand, oil-based solvents (mineral spirits, turpentine, kerosene, etc.) would leave oily stains on the substrates.
- 50% solution of isopropyl alcohol (IPA) and water is generally recommended to wipe minor surface contaminants.
- For tougher stains, use ketones such as acetone or methylethylketone (MEK).
- For oil and grease, MEK and toluene is recommended.
- Always test the solvent or cleaning agent on an inconspicuous area of the substrate, to make sure it will not damage the substrate.

VT-622

All-Stik MS Clear Sealant

Cartridges:

1. Poke the cartridge's aluminium foil with the nozzle tip.
2. Cut the nozzle into an appropriate diameter at an angle of approximately 45° to 60°.
3. Use a caulking gun and extrude the sealant with a single bead.
4. Tool the sealant bead with a clean and dry tool before the sealant skins for a smooth finishing.

Sausages:

5. Cut the tip of the sausage carefully and slip it into the caulking gun.
6. Cut the nozzle into an appropriate diameter at an angle of approximately 45° to 60°.
7. Place the nozzle into the caulking gun and screw tight.
8. Extrude the sealant with a single bead. Tool the sealant bead with a clean and dry tool before the sealant skins for a smooth finishing.

CLEAN UP

- Wet sealants can be cleaned up with acetone or mineral spirits.
- Cured sealants can only be removed mechanically.

JOINT DESIGN

- The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion and contraction.
- Minimum bead size should not be less than 3 mm to accommodate movement.
- Sealant design joint width-to-depth ratio should be 2:1.

LIMITATIONS

Not recommended for the following applications:

- Below waterline or permanent water immersion.
- Outdoor sealing/bonding adjacent to glass substrates.
- Polyethylene, polypropylene, polytetrafluoroethylene (Teflon), neoprene, and bituminous surfaces.
- Not suitable for structural bonding
- Overcoated with
  - Alkyd resin paint - cure inhibition to the paint
  - Chlorinated paint - staining issue
  - Oil based paint - not compatible

CAUTION

May cause an allergic skin reaction. Causes serious eye irritation. If medical advice is needed, have product container or label at hand. Wash hands thoroughly after handling. Do not touch eyes. Keep out of reach of children. Read carefully and follows all instructions. Avoid breathing dust, fume, gas, mist, spray, vapours. Contaminated work clothing should not be allowed out of the workspace. Contains aminosilane. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

LEGAL NOTES

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.