

MS SHEET VHT

PRODUCT DESCRIPTION

MS SHEET VHT is a one part, moisture curing sealant based on **MS Polymer**.

PRODUCT CHARACTERISTICS

MS SHEET VHT shows all the characteristics of **MS Polymer** technology.

- Solventless and free from isocyanate.
- Almost no shrinking.
- Flexible at low (-40°C) and high (+100°C) temperatures.
- Neutral reaction and odourless.
- Fast curing.
- Compatible with most paints systems.
- Overpaintable soon after skin formation, without any negative effects on hardening of the sealant and the properties of the paint.
- Resistant, without swelling or cracking, to paint cycles with temporary (30 - 60 minutes) high temperatures up to 180°C.
- Possibility of systematic use in industrial premises where painting operations are performed.
- Very good adhesion to a wide number of substrates.
- Very good resistance to ageing and to UV rays.

TYPICAL USES (professional)

- Sealing between welded plates and overlapped plates in the automotive industry and the construction and repair of coach and car bodywork.
- For wood and metal joints with elastic properties in the freezing industry and the construction of containers for transport.
- Assembling insulating panels.
- Gluing and sealing with very good resistance to vibration on components made of steel, aluminium, wood GRP and other plastic materials, painted surfaces on buses, panelled vehicles, campers and caravans.
- For sealing between steel structural work components.

LIMITATIONS

- Applications in water continuous immersion have to be double checked with Fratelli Zucchini S.p.A. Technical Area.
- Not suitable for joints in swimming pools and adjacent areas that are in continuous contact with pool water.
- It must not be used for items that come in contact with food, or with materials that ooze oily substances or plasticisers.
- Furthermore, it must not be applied in completely enclosed spaces, with no exposure to atmospheric humidity.
- Do not use in extreme temperature conditions, or on damp, frozen, contaminated surfaces.
- Do not use on excessively acidic or basic substrates.
- Not suitable for use on natural copper.
- For any application not listed in this document please contact our Technical Service.

TECHNICAL DATA

Polymers and the curing system:	MS Polymer, alcoxy
Consistency:	Paste
Application temperature:	+5°C / +35°C
Specific gravity:	1,5 kg/dm ³
Shore A hardness:	50 - 55
Modulus 100% (DIN 53504):	1,3 MPa
Tensile strength (DIN 53504):	2,8 MPa
Elongation at break:	300%
Tear resistance (ASTM D 624-73):	16 N/mm
Skin forming time (20°C/50% R.H.):	12 minutes approx
Curing time (20°C/50% R.H.):	3 - 4 mm at 24 hours.

Values given in this table must not be considered as specifications.



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METHOD OF USE

Adhesion and surface preparation: MS SHEET VHT has an excellent primerless adhesion to degreased surfaces of steel, galvanised steel, anodized aluminium, to painted surfaces, to concrete, wood, glass, ceramics, GRP, uPVC.

In particular conditions, i.e. humidity and porous surfaces, the adhesion can be improved by application of a suitable primer.

For more detailed information on the use of primers and on the preparation of surfaces, please refer to the specific technical specifications and data sheet "Primer for MS sealants".

Application: MS SHEET VHT can be applied using a hand gun or an air gun at a temperature range between +5°C/+35°C.

Cure is realised by humidity, in presence of non porous surfaces it can be accelerated by nebulizing the parts by water before assembling.

Put the part immediately in contact by using an adequate pressure. If necessary, maintain under pressure the parts until a complete curing.

Tooling should be carried out within 15 minutes from the application.

About 30' after application the sealant can be overpainted without causing delays in curing time.

In painting the best results are obtained if the paint is applied in the 6 hours following the application.

Paintability: it should be kept in mind that any overpainting can modify the surface elastic properties of the sealant and its ability to flex with movement and may compromise the functionality of the joint.

The compatibility of the sealant with the paint has to be previously verified by test.

Aesthetically pleasing results can generally be achieved by applying the paint after the sealant has hardened completely.

Solvent wiping: dirty tools can be solvent wiped with **Solvente ST/512**.

After curing MS SHEET VHT can be removed only mechanically.

SAFETY AND HEALTH

See Safety Data Sheet.

STORAGE STABILITY

290 ml. cartridge 18 months from the date of manufacture.

600 ml bag. 18 months from the date of manufacture.

25 kg drum 12 months from the date of manufacture.

Store the sealed product in the original packaging, in a dry place at a temperature between +5°C and +25°C.

The product may become more viscose during storage.

PACKAGING

Code	Colour	Packaging	pcs./box
1004993	white	cartridge 290 ml.	24
1004995	grey	cartridge 290 ml.	24

Other sizes available on request.



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