

MSP 13
Adhesive/Sealant Capabilities
 Multipurpose one component MSP



Application Possibilities

Based upon silyl modified polymer one component Tecnite MSP 13 combines well adhesive and sealant properties needed for a wide variety of applications; a multifunctional MS-Polymer solution for:

- Elastic bonding/sealing applications in bus, caravan, train and truck carrossories
- Bonding of polyester parts on metal frames
- Elastic bonding/sealing applications in the construction industry; for interior and exterior use
- Bonding and sealing of sunroof: autos, caravans etc.

Features

- Solvent, isocyanate and silicone free
- Odourless neutral fast cure
- Very good UV resistance and aging properties
- Permanent elasticity for temperatures between -40 to +100C
- Ability to overpaint; even wet on wet; will not affect cure speeds
- Provides good adhesion on many substrates without the use of primers

Typical Product Data - Tecnite MSP 13

	Unit	Value
Base Material		SMP
Curing Method		Absorption of moisture from the air
Specific Gravity	g/ml	ca. 1.4
Shelf Life (5-25°C) (*)	Months	12

(*) Please refer to production data on the original container.

Process Data

	Norm	Value
Skin Forming Time	20°C/50% R.H.	10 minutes
Curing Speeds	after 24 hours	ca. 3 mm
Application Temperature		+5 to +35°C
Volume Change / Shrinkage	DIN 52451	< 3%

Cured System Data - Tecnite MSP 13

	Norm	Unit	Value
Shore A Hardness	DIN 53505	Shore A	ca. 55
Tensile Stress	DIN 53504/ISO 37	M Pa	1.7
Tensile Stress at Break	DIN 53504/ISO 37	M Pa	2.6
Elongation at Break	DIN 53504/ISO 37		250%
Temperature Range in Service		°C	-40 to +100
Standard Colors(1)			White, Black, Gray

(1) Other colors may be available given minimum qty levels are met

Adhesion Capabilities

Tecnite MSP 13 adheres well without primer on non-porous substrates of glass, aluminium, galvanized and stainless steel, numerous lacquered metal surfaces, various plastics, ceramics, painted and lacquered wood, etc., which are clean, dry, dust and grease free. The use of a "wash" primer for degreasing the substrate's surface is recommended when high adhesion levels are needed due to great thermal or physical loads and specifically when wet conditions are the norm. It is advisable to use primers on untreated wooden surfaces as well as porous surfaces of brick, cement etc. No adhesion on untreated polyethylene, polypropylene and Teflon.

For more details concerning our range of primer's capabilities on substrates not mentioned here please consult your local technical sales support team as testing may be advisable.

Method of Use

Tecnite MSP 13 can easily be extruded with a hand or air pressure gun at temperatures between +5C and +35C. For bonding applications the substrates need to be assembled within 10 minutes after applying Tecnite MSP 13. For sealing applications Tecnite MSP 13 should also be tooled or smoothed within 10 minutes. In general an adhesive thickness of 2 mm is recommended.

Paint compatible with most alkyd resin and dispersion based paints used with industrial paint/lacquer systems Tecnite MSP 13 can be painted already after 10 minutes, i.e. after skin formation has occurred. Still given the number of paint systems available we recommend that you test your paint's compatibility first. Best adhesion of paint coats is generally obtained if painted within 4 hours of application.

Shelf Life Information

Tecnite MSP 13 may be stored for 12 months in its original unopened container. Product needs to be stored in a dry cool area in temperatures ranging from +5 to +25C.

Package Types Available

- Cartridges	290 / 310ml	- Pails	20 liter
- Sausages	600 ml	- Drums	200 liter

Health and Safety

The user is cautioned to avoid skin and eyes contact with the products. If eye contact occurs, immediately flush eyes with large amounts of water for at least 15 minutes and secure medical attention. If skin contact occurs, wash affected area thoroughly with soap and water.

For additional information on this product's hazards and recommended precautions please refer to the relative product material safety data sheet.

The information contained in this technical data sheet is to the best of our knowledge correct. However, by no means can it be considered a guarantee as usage, working area and application of the product in accordance with the instructions given and their success in application, is beyond our control and is dependent on a number of factors. We decline any responsibility for the improper use of the product as the application recommendations contained herein are to be considered only as a general guideline. If at all in doubt, preliminary tests should be carried out.

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