

PRODUCT DESCRIPTION

TEROSON MS 9222 is a two-component static mix silane modified polymer sealant especially formulated to give high elongation, fast cure and good adhesion to most paint topcoats used in the cargo trailer industry. It has no tin catalyst for improved health and safety.

TYPICAL APPLICATIONS

Bonding and sealing of metal and composite parts where high elasticity, adhesion, and weatherability are needed. It is especially suited to bond painted aluminum side panels in the cargo trailer industry.

TYPICAL PROPERTIES OF UNCURED MATERIAL

	Part A	Part B	Mixed
Chemistry Type	Silane modified polymer	Silane modified polymer	Silane modified polymer
Appearance	white	black	grey
Viscosity @ 25°C, Pa*s	200 - 350	90 - 150	
Physica @ 10 [1/s]			
Mix Ratio by volume	4	1	

TYPICAL CURING PERFORMANCE

When statically mixed at a ratio of 4 to 1 by volume (A:B), the adhesive self-cures to form a solid elastomer. Full adhesive properties, especially adhesion, will develop after 7 days.

7 days at 21C/50% R.H.

	Typical Value
Skin formation time, min	25 - 30
Gel Time, min	40 - 45
Fixture Time, min, 1 mm gap, 4.6 psi	30 - 40
Adhesion, @ 24 hours (psi) Aluminum (3 mm gap)	220

TYPICAL PROPERTIES OF CURED MATERIAL

7 days @ 21C /50% R.H.

Physical Properties	Typical Value
Hardness, Shore A, ASTM D2240	35 - 45
Tensile Strength, ASTM D 638, (psi)	450 - 500
% Elongation @ break, ASTM D 638, %	400 - 500

ADHESION

7 days @ 21C/50% RH

Substrate	Knife Bead Adhesion, % Cohesive Failure
Waxed acrylic topcoat	100%
Waxed Polyester topcoat	100%
Waxed polyester topcoat (metallic color)	100%
Steel	100%
ABS	0%
PVC	100%
Fiberglass	100%
Gelcoat	100%
2024 Aluminum	100%
5052 Aluminum	100%
6061 Aluminum	0%
Zinc dichromated steel	100%

USE AND APPLICATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

Directions for Use

1. For best performance bond surfaces should be clean and free from grease or other contaminants.
2. Apply adhesive using recommended equipment and nozzle as required.
3. Full adhesion properties will develop over 7 days.
4. Excess material can be easily wiped away with non-polar solvents.

Storage

Store product in cool, dry location, in unopened containers at a temperature between 8°C and 28°C unless otherwise labeled. To prevent contamination of unused product, do not return any material to its original container. If additional information is required, please contact your Application Engineer at (860) 571-5100.

Data Ranges

The data contained herein may be reported as a typical value and/or range.

Note



Confidential

LDS MS 9222

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