

## TEROSON® MS 222

June 2017

### Product description

TEROSON® MS 222 provides the following product characteristics:

<b>Technology</b>	Silane-modified polymer
<b>Product type</b>	Sealant
<b>Components</b>	One component
<b>Cure</b>	Humidity
<b>Application</b>	Assembly
<b>Appearance</b>	Beige
<b>Consistency</b>	Pasty, Thixotropic
<b>Odor</b>	Characteristic

TEROSON® MS 222 is a gun-grade, one-component material based on silane modified polymers which cure by reaction with moisture to a soft elastic product. The skin formation and curing times are dependent on humidity and temperature, and the curing time also depends on joint depth. By increasing the temperature and moisture these times can be reduced; low temperature as well as low moisture retard the process. TEROSON® MS 222 is free of solvents, isocyanates, silicones and PVC and is odorless.

### Application areas:

TEROSON® MS 222 is used for antflutter operations in vehicle repair shops. It is a very soft material designed to avoid the so-called "read through effect" and optical irregularities of components caused by antflutter materials. Especially by using very thin-walled substrates, TEROSON® MS 222 displays its superiority. In addition, TEROSON® MS 222 can be used in the following industry areas: railway carriage and container production, ship and boat building, general metal constructions.

### Technical data

Density, (g/cm <sup>3</sup> )	~1.3
Skin formation time, min*:	~25 to 40
Cure rate, mm/24 hrs:	~2,5
Shore-A-hardness (ISO 868, Durometer A):	~0
Application temperature, °C	5 to 40
In service temperature range, °C	-50 to +80
Short exposure (up to 1h), °C	120
* ISO 291 standard climate	23°C, 50% relative air humidity
* ISO 291 standard climate:	

### Directions for use

#### Preliminary statement:

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

#### Pre-treatment

The substrates must be clean, dry, oil- and grease free. Depending on the surface it can be necessary to roughen the surface or to use a primer/adhesion promoter to provide best adhesion. External release agents must be accurately removed prior to starting bonding or sealing. Due to the different compositions of paints, especially powder paints and the large number of different substrates, application trials before use are necessary. For cleaning, TEROSON® MS 222 from the Henkel portfolio is suitable. When bonding and sealing PMMA, e.g. Plexiglas®, and polycarbonate, e.g. Makrolon® or Lexan®, under tension, stress corrosion cracking may occur. Application trials before use are necessary. There is no adhesion to polyethylene, polypropylene and PTFE. Substrates not mentioned above should be subject to trials.

#### Application:

Low material temperatures of the sealant will lead to an increase of viscosity, resulting in a lower extrusion rate. This can be avoided by bringing the sealant up to room temperature prior to application. TEROSON® MS 222 can also be applied from hobbocks or drums with high pressure pumps with follower plates. See separate application directions of Teroson MS products in hobbocks and drums.

Guidance on paint bake cycles: Independent on the heat source, e.g. oven, IR heater, etc. please refer to the following pre-curing recommendations for TEROSON® MS 222.

#### Pre-curing time paint bake cycle

<u>at room temperature</u>	<u>max. surface temp.</u>	<u>max. baking time</u>
2 hours	60°C	60 minutes
4 hours	70°C	60 minutes
24 hours	80°C	60 minutes
48 hours	110°C	60 minutes
72 hours	120°C	60 minutes

**Cleaning**

For cleaning application equipment contaminated with uncured TEROSON® MS 222 we recommend the use of cleaner TEROSON® VR 20.

**Classification:**

Please refer to the corresponding **Material Safety Data Sheets** for details on:

**Transport Regulations**  
**Hazardous Information**  
**Safety Regulations**

**Storage:**

Frost sensitive	no
Recommended storage temperature, °C	8 to 28
Shelf-life (in unopened original packaging), months	12

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