

# Tangit Metal Lock

## CHARACTERISTICS

- Anaerobic thread sealant for coarse metal threads acc. EN 751-1 Class H
- Max. pipe size 3 ″
- Service temperature range -55°C to +180°
- Breakaway torque: 19 Nm (ISO 10964 - 24h/22°C M10 zinc dichromate nuts and bolts)
- Medium disassembly strength



## APPLICATION FIELD

- General purpose sealant for metal threads.
- Class H – ISO 7-1 taper/parallel and taper/taper coarse threads DN10 to <= DN50
- DVGW Certificate based on EN 751-1 Class H
- In Germany not allowed for gas indoor installation acc. DVGW TRGI

## INSTRUCTIONS FOR USE

### Pretreatment

For best results, clean all surfaces and remove oil and fat. (external and internal).

If a cleaner (Cleaner TU8 or TM8N) is used surface must be dry before the application of Tangit Metallock.

When cure speed is long, due to low temperatures (below + 5°C), passive metals (stainless steel) or large gaps, applying activator to the surface will improve cure speed.

### Application

Apply a 360° bead of product to the leading threads of the male fitting, leaving the first thread free. Force the material into the threads to thoroughly fill the voids. For bigger threads and voids, adjust product amount accordingly and apply a 360° bead of product on the female threads also. Using compliant practices, assemble and wrench tighten fittings in accordance with manufacturers recommendations.

Properly tightened fittings will seal instantly to moderate pressures. For maximum pressure resistance and solvent resistance allow the product to cure a minimum of 24 hours.



## For Disassembly

Remove with standard hand tools. Where hand tools do not work because of excessive engagement length or large diameters (over 1"), apply localized heat to approximately 250 °C. Disassemble while hot.

## TECHNICAL DATA

Composition	Dimethacrylate ester
Density	1,15 - 1,20 g/cm <sup>3</sup>
Temperature Resistance	-55°C to + 180°C
Open time	Short after assembly
Application Temp.	+5 to +40°C
Consumption 1/2"	approx. 150 joints
Final strength	24 hours
Shelf Life	24 month

## CLEANING

Cured product can be removed with a combination of soaking in a solvent and mechanical abrasion such as a wire brush.

## STORAGE

Optimal Storage: 8 °C to 21 °C. Storage below 8 °C or greater than 28 °C can adversely affect product properties.

## HEALTH AND SAFETY

Before using the product please see related Material Safety Data Sheet that is available on request.



“The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. f.

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