

# precote 15

## Technical Data Sheet



### Coating for Sealing of Threaded Joints.

#### DESCRIPTION

precote 15 is a non-reactive coating used for immediate sealing of cylindrical and conical threads and can also be used for under head sealing. The coating is dry, with good adherence and is elastic.



#### APPLICATION

precote 15 is used as a coating for assembly components, e.g. screws, studs, plugs and pipe threads, both cylindrical/cylindrical and cylindrical/conical parts. precote 15 can also be applied to flange head screws or plugs with collar for under head sealing and used as a sealing material for rivets.

The coating can be used in all kind of assembly procedures, particularly for serial production.

Areas of application are electronics, two wheel and automotive industry, household appliances, office machines, computer industry, electric motors, e-mobility, etc.

#### STORAGE

Shelf-life of coated parts four years at max. 30°C and max. 65% relative humidity.

Please note the omniTECHNIK packaging information.

#### DVGW CERTIFIED

DVGW registration number NG-5142BU0287 (non-hardening thread sealant positively tested according to DIN EN 751-2).

#### PROPERTIES

- No leakage immediately after assembly
- Controlled thread friction values during assembly
- Constant assembly properties
- Forms a dry to the touch and elastic coating
- Good thermal and chemical resistance
- Can be applied to metallic and non-metallic surfaces
- Non-hazardous

#### PRECOTE 15 MEETS AND EXCEEDS TECHNICAL SPECIFICATIONS OF FOLLOWING COMPANIES

Aisin, Audi, Autoliv, BASF, Bendix, BMW, Bosch, Bridgestone/Firestone, Brose, Chrysler, Continental, Cummins, DAF, Daimler, Dana, Delphi, Denso, Faurecia, Fiat, Ford, Geely, General Motors, Getrag, Hitachi, Honda, Hyundai Kia, Hyundai Mobis, Jaguar Land Rover, Johnson Controls, KWC, Lear, Magna, Magneti Marelli, Mahle, MAN, Michelin, Opel, Panasonic (Matsushita Electric), Porsche, PSA, Renault, Rover, Saab Scania, Schaeffler, Siemens, Stihl, Tesla, Toyota, TRW Automotive, Valeo, Volvo, VW, ZF Friedrichshafen and many more.

Information presented in this data sheet is considered reliable, but conditions and methods of use, which are beyond our control, may modify results. Before these product are used, the user should confirm their suitability. We cannot accept liability for any loss, injury or damage which may result from its use. We do not warranty the accuracy or completeness of any such information whether orally or in writing. We reserve the right at anytime and without notice to update or improve products and processes and our information concerning the same.

## TECHNICAL DATA

<b>Chemical Type</b>	Acrylate																	
<b>Colour<sup>1</sup></b>	White																	
<b>Thread Friction <math>\mu</math>Thread<sup>2</sup></b>	0.10 - 0.15																	
<b>Initial Installation Torque<sup>3,4</sup></b>	3-7 Nm																	
<b>Sealing Properties at RT in Air</b> Threads Cylindrical/Cylindrical Threads Cylindrical/Conical	Tested up to 15 bar Tested up to 250 bar																	
<b>Maximum Operation Temperature in Air with Sealing Effect<sup>3</sup></b>	-60°C to +200°C -75°F to +390°F																	
<b>Chemical Resistance Tested According to all Current Automotive Standards and Din 267-27, Storage Time 1000h</b>	<table border="0"> <tr> <td>Engine Oil</td> <td><b>Test Temperature</b></td> </tr> <tr> <td>Diesel</td> <td>160°C</td> </tr> <tr> <td>Anti-Freeze 100%</td> <td>23°C</td> </tr> <tr> <td>Anti-Freeze/Water 50:50</td> <td>120°C</td> </tr> <tr> <td>Automatic Transmission Oil</td> <td>120°C</td> </tr> <tr> <td>Transmission Oil</td> <td>150°C</td> </tr> <tr> <td>Polyurea AdBlue®</td> <td>120°C</td> </tr> <tr> <td></td> <td>23°C</td> </tr> </table>	Engine Oil	<b>Test Temperature</b>	Diesel	160°C	Anti-Freeze 100%	23°C	Anti-Freeze/Water 50:50	120°C	Automatic Transmission Oil	120°C	Transmission Oil	150°C	Polyurea AdBlue®	120°C		23°C	
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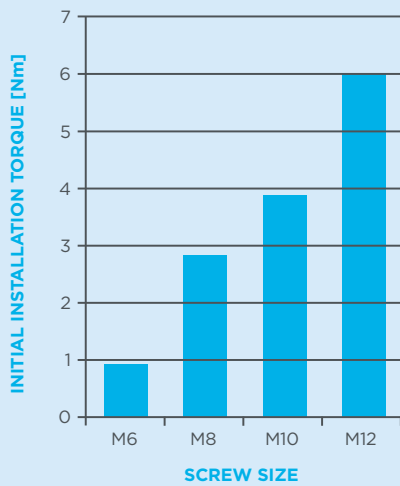
<sup>1</sup>This product information is also valid for special colours. The specified colour is not a primary product feature. The colour may vary slightly due to the manufacturing process and the formulation. This does not affect the quality of the product.

<sup>2</sup>Test according to DIN EN ISO 16047. All values apply to screws ISO 4017 M10x55-8.8- plain finish and nuts ISO 4032 M10-10- plain finish. All other surfaces could deliver different values.

<sup>3</sup>All values apply to screws ISO 4017 M10x35-8.8- plain finish and nuts ISO 4032 M10-10- plain finish. All other surfaces could deliver different values.

<sup>4</sup>Test according to DIN 267-27.

**AVERAGE INITIAL INSTALLATION TORQUES<sup>1</sup>  
IN RELATION TO SCREW SIZE**



<sup>1</sup>Test according to DIN 267-27.