

precote 5

Technical Data Sheet



Coating for Sealing of Threaded Joints.

DESCRIPTION

precote 5 is a non-reactive coating used for immediate sealing of cylindrical and conical threads. The coating is dry, tack-free and with good adherence.



APPLICATION

precote 5 provides sealing for assembly components, e.g. screws, studs, plugs and pipe threads, both cylindrical/cylindrical and cylindrical/conical parts against gases, water, motor oils, gasoline, diesel, brake fluids, water/glycol mixtures, automatic transmission oils, gear oils and other liquids. precote 5 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 kinds of assembly procedures, particularly for volume 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 (85°F) and max. 65% relative humidity.

Please note the omniTECHNIK packaging information.

PROPERTIES

- Sealing immediately after assembly
- Controlled thread friction values when assembled
- Consistent assembly properties
- Forms a dry to the touch coating
- Good thermal and chemical resistance
- Can be applied to metallic and non-metallic surfaces
- Non-hazardous

PRECOTE 5 CONFORMS TO THE TECHNICAL SPECIFICATIONS OF THE 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), Perkins, 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 products are used, the user should confirm suitability.

We cannot accept liability for any loss, injury or damage which may result from its use to the full extent permitted by law.

We do not warranty the accuracy or completeness of any such information, whether orally or in writing.

We reserve the right at any time and without notice to update or improve products and processes and our information concerning the same.



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TECHNICAL DATA

Chemical Type	Acrylate	
Colour¹	White	
Thread Friction μThread²	0.12 - 0.18	
Initial Installation Torque^{3,4}	2-5 Nm	
Sealing Properties at Rt in Air Threads Cylindrical/Cylindrical Threads Cylindrical/Conical	Tested up to 15 bar Tested up to 50 bar	
Maximum Operation Temperature in air with Sealing Effect³	-60°C to +160°C -75°F to +355°F	
Chemical Resistance Tested According to all Current Automotive Standards and Din 267-27, Storage Time 1000h	Engine Oil Super-Grade Gasoline Anti-Freeze 100% Anti-Freeze/Water 50:50 Automatic Transmission Oil Transmission Oil Polyurea AdBlue®	Test Temperature 160°C (320°F) 25°C (75°F) 120°C (248°F) 120°C (248°F) 150°C (300°F) 120°C (248°F) 25°C (75°F)

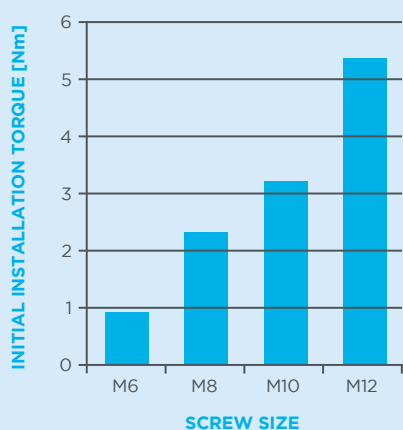
¹This product information is also valid for special colours. The specified colour is not a primary product feature. The colour may vary slightly due to the manufacturing process and the formulation. This does not affect the quality of the product.

²Test 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.

³All 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.

⁴Test according to DIN 267-27.

AVERAGE INITIAL INSTALLATION TORQUES¹
IN RELATION TO SCREW SIZE



¹Test according to DIN 267-27.



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