



precote 709

Anti-Seize Thread Coating

Description

precote 709 is a nonreactive coating with mineral solid lubricants for the substitution of high-temperature pastes. The coating is dry, tack-free and with good adherence.

Application

precote 709 is used as coating for assembly components that are prone to surface welding at assembly or need to be disassembled easily and nondestructive.

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.

Properties

- Effective up to +850°C (+1560°F)
- No seizing or galling at assembly
- Constant assembly properties
- Constant and low thread friction
- Dry to the touch coating
- Contains UV marker

Technical data

Chemical Type	Acrylate
Color ¹	anthracite
Thread friction value μ_{Thread} ^{2,3}	0,1 – 0,15
Initial installation torque ^{2,4}	< 3 Nm
Break away torque ⁴ at RT after storage at +400°C (+750°F) for 100 h ²	< 2,5 x M _a
Maximum operation temperature in air	+850°C (+1560°F)

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

² All values apply to screws M10 ISO 4017 A2-70 and nuts M10 ISO 4032 A2-70.

³ Test according to DIN EN ISO 16047.

⁴ Test according to DIN 267-27.

precote 709 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, 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.

Storage

Shelf-life of coated parts 4 years at max. 30°C and max. 65% relative humidity

Please note the omniTECHNIK packaging information.

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Note: As we do not know the specimen, dimensions, materials, combinations, surface conditions etc. of the threads in question, it is absolutely essential to run quality tests prior to general use to make sure about the required performance under field conditions. Our guarantee is confined to supplying precote in proper quality. In view of the fact that processing of precote by the coating partner and the application of precote coated parts are beyond our control we cannot guarantee for the quality of parts coated with precote and assemblies made thereof. We accept liability for the fitness of our

products for particular purposes and liability for particular qualities of our products only in the event that we have accepted such liability in writing in the individual case. In any event any justified warranty claims shall be limited to the delivery of replacement goods which are free from defect or, in the event that such subsequent improvement fails, to reimbursement of the purchase price. Any and all further claims, in particular but without limitation any liability for consequential damage, shall be excluded.