

## precote 709

### The Antiseize Thread Precoating

#### Description

precote 709 is a non-reactive, film-forming dispersion with mineral solid lubricants for coating threaded parts. It is a physiologically harmless preapplied coating for controlled assembly and disassembly of high-temperature applications. The dried film is tack-free.

#### Application

On threaded parts like screws and studs, plugs and pipe threads which require a high preload on assembly without galling but after exposure to high temperature permit an easy and non-destructive disassembly. Additionally the threads are sealed against gases and liquids.

#### Properties

- Forms a dry and tack-free film.
- Seals immediately after assembly.
- Is physiologically harmless in liquid and coated condition.
- Threaded parts can be preapplied long time before assembly (oT-coating machine).
- Constant low friction value.
- Eliminates galling and cold welding.
- Avoids corrosion in the threaded connection.
- Separation effect up to +850°C.
- Good chemical resistance.

### Physical data - precote 709

colour	anthracite
thread friction value* $\mu_{\text{thread}}$	0.09 - 0.13
initial installation torque* M10 x 1.5	1 – 2 Nm
break-loose torque (BLT)** after 24 h at room temperature ( $M_A = 40 \text{ Nm}$ )	1st loosening BLT = 31 Nm 5th loosening BLT = 30 Nm
break-loose torque (BLT)** after 24 h at 650°C ( $M_A = 40 \text{ Nm}$ )	1st loosening BLT = 35 Nm 5th loosening BLT = 36 Nm
resistance	-60 to +850°C
shelf-life	4 years at room-temperature 27/65 DIN 50014

\* values apply to screws M10 ISO 4017-8.8 plain finish  
and nuts M10 ISO 4032-10 plain finish

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\*\* screws M10 x 35 A2-70 and nut A2

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Guarantee: 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 knowledge and influence 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.