

## precote Top 100

Coating for Adjustment of Thread Friction  
and with Temporary Corrosion Protection

### Description

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precote Top 100 is a film-forming surface coating based on wax with temporary corrosion protection. It reduces friction at the assembly process under head and in the thread. Furthermore precote Top 100 prevents stick slip as well as galling and enables higher clamp loads with equal tightening torque. The dried film is tack-free, non-sticky and can be used in all kind of assembly procedures, particularly for serial production.

### Application

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precote Top 100 can be applied on all types of threads. precote Top 100 can be applied partially or on the whole screw by dipping method. Depending on the requirements for the application precote Top 100 is used in a dilution with a maximum of 5 parts of water.

### Properties

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- Defined thread friction at low deviation.
- Avoids stick slip and galling.
- Temporary corrosion protection.
- Constant assembly properties.
- Partial or dip and spin coating possible.
- Meets VDA coefficient of friction requirements.
- Can be applied to metallic and non-metallic surfaces.
- Non-hazardous.

## Technical data

Chemical Type	Wax
Color	transparent with UV-marker
Melting point	+130 °C
Thread friction value* $\mu_{\text{Thread}}$	0,09 – 0,15 depending on dilution

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

Shelf life 4 years at max. +30°C (+86°F) and max. 65% relative humidity.

Storage and transport conditions see 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 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.