precote®

[Gewindebeschichtungen | Thread Coatings]

Thread Coatings

MeFaCo
INDUSTRIAL FASTENERS AND TOOLS

[The Products]

Locking

precote cures within a short time after assembly to provide reliable locking performance even at highest temperatures and transverse loads.

Sealing

precote completely fills the thread gap, thereby achieving the required sealing effect.

Assembly

precote ensures uniform assembly values by optimum friction coefficients.

Disassembly

precote enables an easy, non-destructive disassembly, even after long periods and high thermal loads.

Locking • Sealing • Assembling • Disassembling

precote

precote innovations are based on the patented omniTECHNIK micro-encapsulation technology. Well tried multicomponent acrylate systems are enclosed by a thin polymeric wall. precote is formed by integrating the individual micro-encapsulated components into lacquer-type binders. After applying precote in its liquid form and drying, the dry, fast-to-handle and corrosion-inhibiting coating is formed.

[Technology]

When the threaded parts coated with precote are assembled, the microcapsules are ruptured by pressure and /or shearing loads. The liquid content mixes and cures with the binder system. Thus, the desired locking and sealing effect is produced.

precote reactive

Reactive precote coatings are adhesives used for achieving the highest possible locking properties and an extreme sealing effect. In order to allow these advantages the products have to pass a chemical reaction (in most cases a polymerization), that is triggered upon installation. Before the component can be used, the specified curing time must be observed.

precote reactive material meets the specifications of DIN 267 Part 27.

precote non-reactive

Non-reactive precote coatings are physically drying coating films that have the product-specific properties already after drying. The connection can be loaded immediately after installation. As the locking properties are lower than those of the reactive products, non-reactive products are used in the field of clamping and sealing screw joints.

precote non-reactive material meets the specifications of DIN 267 Part 28.

[The Advantages]

High security

Substantial cost reduction

Ease of handling

Technology

- **Extreme locking effect** under dynamic loading
- **Reliable sealing** by coating the entire circumference of the thread
- **Consistent assembly values due** to homogenous application of material
- Application on almost **every type of surface**
- **Excellent thermal resistance**
- **Excellent chemical resistance**
- **Inhibiting corrosion**
- Inseparable connection of screw and locking element, i.e. **the lokking element cannot get lost or be forgotten**
- **Physiologically safe**

Economic Efficiency

- Coating of **high volumes** by machines reduces the costs
- The coated parts can be handled as **bulk material**
- **Automatic feed** and installation are possible
- **No additional handling costs** on site during the assembly process
- **No allocation and warehousing** of conventional locking and sealing devices
- Allows **non-destructive, easy removal**
- Coated parts **can be stored for years** at standard atmosphere 27/65-2 DIN 50014

Locking • Sealing • Assembling • Disassembling

With precote material, the target can be achieved in a quick and cost-effective manner.

The precote team offers you competence and know-how in the form of a very field-oriented consulting on the easy and quick application of precote products. In combination with our qualified coating partners, our customers receive

[Service]

recommendations specifically matching their requirements; while the road to success may also lead via new, innovative developments.
Here we are not only convincing by exceptional experience in this field, but also by special and comprehensive knowledge.

Examples:

- Support in choosing the suitable thread pre-coating, depending on the material and function of the respective component
- Application-related examination of characteristic data of screw connections
- Support in the design of optimally locked and sealed screw connections

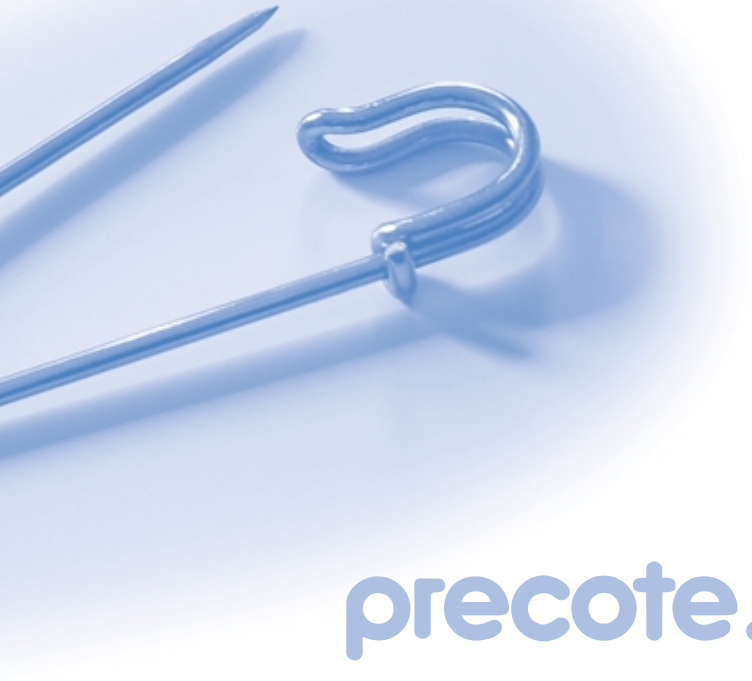
Patented micro-encapsulation processes ensure a constantly high quality. Our products are manufactured in a proprietary batch process characterized by extensive quality control procedure. The quality is traceable from the raw material to the final consumer.

We are certified under ISO 9001:2000

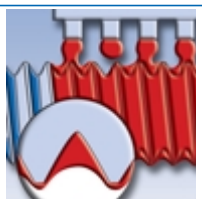
precote materials stand for quality

[Fields of Application]

- Automotive and supplier industry
- Construction of commercial vehicles
- Aircraft industry
- Railway vehicle manufacturing
- Shipbuilding
- Plant manufacturing
- Machine construction
- Structural steel and underground construction
- Household appliances
- Electrical engineering
- Communication technology
- Optical devices
- Sports equipment
- **Customer oriented solutions from A to Z - also for your specific applications**



precote®



Locking • Sealing • Assembling • Disassembling

[Distribution]

precote is available world-wide

- A global network of coating partners at the most important industrial locations guarantees the quickest possible availability to end-users.
- precote is exclusively applied by qualified and authorized partners.
- The choice of our partners is subject to strict requirement criteria.
- Our authorized partners are constantly supported and trained so that they will always meet the highest requirements of the customers .

We will further extend our world-wide activities on our markets. Reliability, quality and innovative force form the basis of our commitment. Also in the future, we will make every effort to justify our customers' confidence and remain their preferred business partner.

MeFaCo
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A safe connection

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