

precote® 5/15 sealing coat for external and internal threads ...



Field of application

These sealing agents, which are composed largely of mineral filling agents and lubricants on a dispersion basis, are used for precoating processes in many applications in the automotive, appliance and mechanical engineering industries for sealing screw unions.

The coatings, which are dried after application, react neither with the coated thread nor the mating thread.

The dried surface is stable and nonsticky, meaning that longer storage periods at room temperature prior to final use for installation are possible without the need for any additional precautions.

The good resistance level of the layers to a large number of gases, aqueous and non-aqueous fluids as well as high pressure levels also at temperatures up to +180°C results in an extremely wide range of application for users of this type of pre-coated threaded component.

Product features

- Maximum sealing action against gases and most aqueous and non-aqueous fluids.
- Depending on the material and configuration of the thread coupling, connections offer a reliable seal even up to pressure levels as high as 50 bar.
- The threaded component and sealing element are inseparably connected, excluding the possibility of costly secondary installation operations due to forgotten or lost seals.
- Economical due to large-series coating and capacity for the use of automatic installation equipment.
- Saves on inventory management, storage and installation of additional sealing elements.





**External and internal thread coating
with dispersion layer
Thread seal**

precote® 5/15
Works Standard
924/926/927

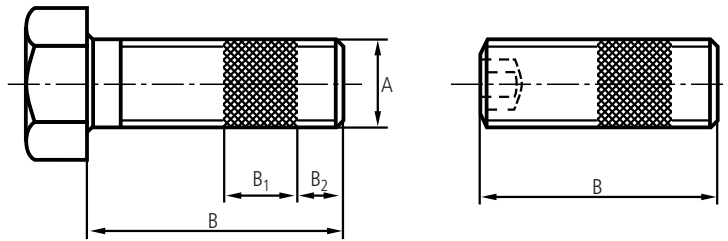
Application

For the manufacture of ready-toinstall self-locking screws and threaded components:

- External thread from M2
- Internal thread from M5

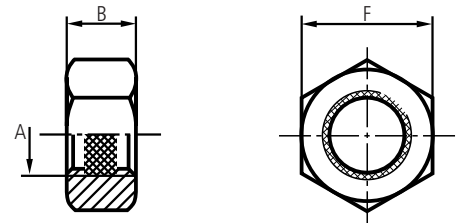
Standard coating external

$B1 \approx A$, 360° all round.
Around 2 to 3 thread turns remain uncoated to ease the screwing action (B2).



Standard coating internal

360° all round.
Begin of coating, each approx. 1st respectively last thread turn.



	precote® 5	precote® 15
Article no.		
– Headed screws	924 500	924 1.. ... 500
– Studs	926 500	926 1.. ... 500
– Stud screws	927 500	927 1.. ... 500
Coating colour	white	white
Temperature range	-60°C to +160°C	-60°C to +180°C
Storage life / RT	at least 3 years	at least 3 years

Applications

The sealants can be applied to all metal and non-metal threaded components such as screws, studs, set screws, fittings etc. both in cylindrical/cylindrical and also cylindrical/conical couplings.

The coating is suitable for all types of assembly processes. Economical in series production due to large-series coating. Fields of application are the automotive industry, household and electrical industry, e-mobility, IT industry.

Characteristics

Sealing action against gases, aqueous and non-aqueous fluids under high pressure levels and temperatures up to max. +180°C

Animation

