

screw locking and thread sealing




aalberts surface
technologies

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We are specialists for high-quality functional metal finishing and high-quality pre- and post-treatment processes of thread pre-coating. Thanks to our many years of expertise in the fields of screw locking, thread

sealing, loss protection and lubricant coating, we are able to implement your requirements even for difficult materials and properties.

Screw locking.



Thread sealing.



Loss protection.

process	microencapsulated adhesive	permanently elastic sealing coating	polyamide spot coating
Applications	The microencapsulated pre-coating is a permanent screw lock to maintain the pre-tension force during frequent load changes. In addition, the permanent safeguard also acts as a seal and complies with DIN 267 Part 27.	A permanently elastic thread seal with a dry surface and high sealing effect against almost all media. Coating is carried out according to customer specification or according to DIN 267 part 27.	Spot-coating is a plastic spot with many properties: loss protection, reduction of loosening torque, adjustment protection with subsequent adjustability. The coating complies with DIN 267 Part 28.
Adhesives	360° coating, Loctite Dri-Loc®, Precote®, 3M ScotchGrip	360° coating, Loctite Dri-Seal®, Vibra-Seal®, Precote®	90°-120° angle coating, Loctite Dri-Loc-Plastic®, PPA 571, polyolefin
Typical parts	threaded parts of almost any kind, screws from MS to M20, customer-specific special parts		
Pre- and post-treatment	degreasing and cleaning, corrosion protection, lubricant coating (Torque'N'Tension, OKS, Gleitmo etc.)		
Properties	excellent chemical resistance, diffusion resistant, high temperature and wear resistance, non-stick properties, easy cleaning, high layer buildup		
Performance characteristics	standard: DIN 267 part 27 + 28 or according to customer specification shelf life: up to 4 years		
Service	We find the optimal coating process for your components based on an individual consultation. From the first sampling to the introduction into series production, we define the relevant production steps together with you. On request, we can also supplement our technical services with a logistics concept tailored to your needs, including pick-up and delivery services.		