



PROVEN • DURABLE • RELIABLE • VERSATILE
 GERMAN TECHNOLOGY MAKES THE DIFFERENCE

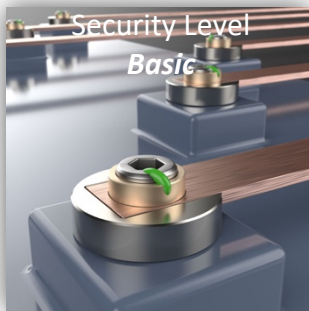


BÄDER® Standard Range Tamper Proof Torque Sealant



BÄDER® Standard Range torque sealant is divided into 3 security Levels

- **Basic:** The security level **Basic** constitutes of just the lacquer without the admixture of marking particles.
- **Secure:** The security level **Secure** contains a hidden security feature which can only be made visible (florescence) with a 300mV infrared laser pointer (980 nm).
- **Topsecure (BäderIdent®):** The security level Topsecure (BäderIdent®) offers an unambiguous product identification, making it an effective means against product counterfeiting and manipulation of any kind. The BäderIdent® lacquer system contains an individual code which consists of a specific fluorescent marker particle and a colour. By means of a suitable analyzer, you can always check on site the authenticity and integrity of your product.



Colours Available for Security Level Basic	Colours	Transparent	White	Yellow	Orange	Red
	Part Numbers	#10080	#11000	#12000	#12200	#13000
Colours Available for Security Level Secure	Colours	Pink	Blue	Green	Grey	Black
	Part Numbers	#13200	#14000	#15000	#17000	#18000

Colours Available for Security Level Secure	Colours	Transparent	White	Yellow
	Part Numbers	#10082	#11002	#12002
Colours Available for Security Level Topsecure BäderIdent®	Colours	Orange	Red	Pink
	Part Numbers	#12202	#13002	#13202

Colours Available for Security Level Topsecure BäderIdent®	Colours	White	Yellow	Orange	Red	Pink
	Part Numbers	#11001	#12001	#12201	#13001	#13201
Colours Available for Security Level Topsecure BäderIdent®	Colours	Blue	Green			
	Part Numbers	#14001	#15001			

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Technical Data – Standard Range

Viscosity	15,000 – 20,000 mPas
VOC Content	540 g/L ± 20 g/L*
Application Temperature	+5°C to +30°C
Temperature Stability	Up to 125°C
pH Value	-
Flashpoint	29°C
Tack Free	5 minutes**
Full Cure	24 hours**
Density	1.05g/cm ³

*May vary slightly depending on the colour

**Tack free and cure speed depends on coating thickness and ambient conditions

Media Resistance – Standard Range

Water	●
Gasoline	●
Super 95	●
White spirit 135/175	●
Special boiling point product 100/140	●
Ethanol	○
Isopropyl alcohol (IPA)	●
n-Butanol	●
2-Methoxy-1-Propanol	○
Butylacetate	X
Ethylacetate	X
Acetone	X
Methyl ethyl ketone (MEK)	X
Titanium grease	●
WD-40	●
Hydrochloric acid 0.5 mol/l	●
Hydrofluorether	●

- **Resistant:** No or very little impairment
- **Limited resistance:** Weak to moderate attack
- X **Unstable:** Strong attack / paint dissolves in medium

Applications of Torque Sealant:

- Used as a torque loosening indicator to immediately detect loosening of safety related fasteners.
- Used as a visual inspection marker to indicate that a bolted joint has already been properly tightened or any workpiece has been inspected/approved.
- Used as a tamper indicator to indicate whether threaded connections or components have been loosened without authorization.
- Used as an assignment indicator to indicate which point in the production chain (e.g., production, installation, maintenance etc.) worked last on the workpiece at hand.
- As a tamper proof threadlocker to secure threaded connection

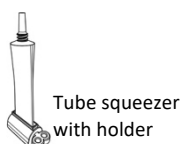
Industry Specifications:

- Airbus – Specifications ECS-L 2274
- Boeing – Specification BMS8 45 Type II
- Rolls Royce – Specification MSRR1102
- Bosch Norm 2580-1

Packaging Available:

- 20ml tube with 40mm extension tip ID Ø1mm – Volume 0.02 L
- 30ml cartridge with 1/4" dispensing needle ID 0.58mm – Volume 0.03 L
- 50ml cartridge with 1/4" dispensing needle ID 0.58mm – Volume 0.05 L
- 1 kg can – Volume 0.95 L

Optional Accessories:



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