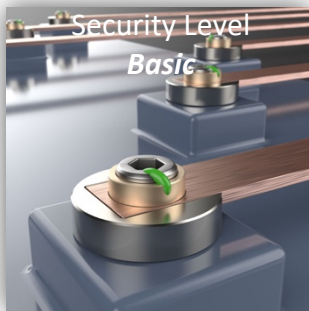**Made In Germany**

BÄDER® Fast Dry Range
Tamper Proof Torque Sealant

BÄDER® Fast Dry 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.

Security Level *Basic*

Security Level *Secure*

Security Level *Topsecure (BäderIdent®)*

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

Colours Available for Security Level **Secure**	**Colours**	**White**	**Yellow**	**Orange**
	Part Numbers	#110002f	#12002f	#12202f
	Colours	**Red**	**Pink**	
	Part Numbers	#13002f	#13202f	

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

Technical Data – Standard Range

Viscosity	20,000 – 30,000 mPas
VOC Content	520 g/L ± 20 g/L*
Application Temperature	+5°C to +30°C
Temperature Stability	Up to 125°C
pH Value	-
Flashpoint	-4°C
Tack Free	30 to 45 seconds**
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	⚪
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

Optional Accessories:

Cartridge Dispensing Tool & Dosing Tips Ø 0.33mm, 0.41mm, 0.58mm, 0.84mm, 1.19mm, 1.37mm.

300 mV infrared laser pointer

Analyzing device Brandproof®

Tube squeezer with holder

Reusable magnetic Tube holder

Reusable quick-release cap

Universal Tamper Proof Sealant Remover

Applications of Torque Sealant:

1. Used as a torque loosening indicator to immediately detect loosening of safety related fasteners.
2. Used as a visual inspection marker to indicate that a bolted joint has already been properly tightened or any workpiece has been inspected/approved.
3. Used as a tamper indicator to indicate whether threaded connections or components have been loosened without authorization.
4. 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.
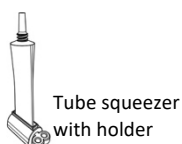5. As a tamper proof threadlocker to secure threaded connection

Industry Specifications:

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

Packaging Available:

- 20ml tube with 40mm extension tip ID Ø1mm – Volume 0.20 L
- 30ml cartridge with 1/4" dispensing needle ID 0.58mm – Volume 0.30 L
- 50ml cartridge with 1/4" dispensing needle ID 0.58mm – Volume 0.50 L
- 1 kg can – Volume 1.05 L