



**BÄDER®**

Technical data sheet

# Resist Range

# 1. Resist Range

The Resist torque sealant is characterized by its extremely high chemical resistance. Thanks to its particularly low shrinkage behavior, it is also ideal for application directly into the screw head.



# 1.1 Overview Resist Range

## a) Properties

- Extremely high chemical resistance
- No shrinkage behavior
- Water-based
- Solvent-free
- Fast drying
- Insulating
- Good media resistance

## b) Flow behavior

- Anti-Flow

## c) Norms

- UV and weather resistant for at least 4 years\*

\*according to DIN EN ISO 2810

## d) Industry specifications

- Boeing-Specification BMS8 45 Type II
- Rolls-Royce-Specification MSRR1102
- Bosch-Norm 2580-1

## e) Containers and suggested screw sizes

Container	Screw sizes
Tube 20 ml	M3 - M24
Tube 50 ml	M12 - M48
Cartridge 30 ml	M12 - M48
Cartridge 50 ml	M1 - M48
Can 1 kg	-

## f) Colours and item numbers

Colour	RAL	Container	Item no.
Yellow	-	20 ml Tube	12000R-T.02
		50 ml Tube	12000R-T.05
		30 ml Cartridge	12000R-KAR.03
		50 ml Cartridge	12000R-KAR.05
		1 kg Can	12000R-D1

Colour	RAL	Container	Item no.
Pink	-	20 ml Tube	13200R-T.02
		50 ml Tube	13200R-T.05
		30 ml Cartridge	13200R-KAR.03
		50 ml Cartridge	13200R-KAR.05
		1 kg Can	13200R-D1

## 1.2 Technical data\*

Resist Range	
Viscosity	15.000 - 20.000 mPas
VOC content	0 g/L
Application temperature	-20° C - 35° C
Temperature stability	-80°C - 180°C
pH value	10 - 11
Flashpoint	-
Touch dry after	ca. 5 - 10 min
Fully hardened after	ca. 12 Hours
Density	ca. 1,05 g/cm³
Shelf life	12 Months

\* All values are subject to change. The corresponding tests are still ongoing.

## 1.3 Media resistance

Medium	Resist 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	●

- Resistant: no or very slight impairment
- Conditionally resistant: weak to moderate attack
- ✗ Unstable: strong attack / paint dissolves in medium

Medium	Resist Range
Ethylacetate	●
Acetone	●
Methyl ethyl ketone (MEK)	●
Titanium grease	●
WD-40	●
Hydrochloric acid 0,5 mol/l	●
Hydrofluorether	●

## 1.4 Security levels

The Resist Range is available in the tamper-evidents Basic, Secure and Topsecure (BäderIdent®).

### 1.4.1 Basic

This tamper-evident is the basic version (without the addition of special marker particles) of the Resist Range.

#### a) Storage at room temperature (approx. 20°C)\*

Container	Duration
Tube 20 ml / 50 ml, Can 1 kg	from production min. 4 years
Cartridge 30 ml / 50 ml	from production 6 months

### 1.4.2 Secure

The tamper-evident Secure contains a concealed security feature that can be made visible on the sealant by shining a 300 mW IR emitter (980 nm) on it.

#### a) Colours and item numbers

Colour	RAL	Container	Item no.
Yellow	-	20 ml Tube	12002R-T.02
		50 ml Tube	12002R-T.05
		30 ml Cartridge	12002R-KAR.03
		50 ml Cartridge	12002R-KAR.05
		1 kg Can	12002R-D1

\* Longer storage times may be possible, please test before use. The product has a longer shelf life when refrigerated. Protect from sunlight.

Colour	RAL	Container	Item no.
● Pink	-	20 ml Tube	13202R-T.02
		50 ml Tube	13202R-T.05
		30 ml Cartridge	13202R-KAR.03
		50 ml Cartridge	13202R-KAR.05
		1 kg Can	13202R-D1

### b) Storage at room temperature (approx. 20°C)\*

Container	Duration
Tube 20 ml / 50 ml	from production 1 year
Can 1 kg	

  

Cartridge 30 ml / 50 ml	from production 6 months
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### 1.4.3 Topsecure (Bäder-Ident®)

The tamper-evident Topsecure (BäderIdent®) offers an unambiguous product identification, making it an effective means against product counterfeiting and manipulation of every kind.

The BäderIdent® sealant system contains an individual code which consists of a specific fluorescent marker particle and a color.

By means of a suitable analyser, you can always check on site the authenticity and integrity of your product.

### a) Colours and item numbers

Colour	RAL	Container	Item no.
● Yellow	-	20 ml Tube	12001R-T.02
		50 ml Tube	12001R-T.05
		30 ml Cartridge	12001R-KAR.03
		50 ml Cartridge	12001R-KAR.05
		1 kg Can	12001R-D1
● Pink	-	20 ml Tube	13201R-T.02
		50 ml Tube	13201R-T.05
		30 ml Cartridge	13201R-KAR.03
		50 ml Cartridge	13201R-KAR.05
		1 kg Can	13201R-D1

\* Longer storage times may be possible, please test before use. The product has a longer shelf life when refrigerated. Protect from sunlight.

**b) Storage at room temperature (approx. 20°C)\***

Container	Duration
Tube 20 ml / 50 ml	
Cartridge 30 ml / 50 ml	from production 6 months
Can 1 kg	

## 1.5 Further information

**Pretreatment of surfaces**

Surfaces must be cleaned of grease, oil, humidity and rust. Please perform compatibility tests to your application/material demands.

**Processing**

Apply directly to fittings dropwise, use the extension-tip to reach even poorly accessible connections (tube).

**Cleaning**

Product residues and impurities are easily removed with Universal Tamper Proof Sealant Remover.

**Personal protection measures**

Respiratory protection not required in well-ventilated areas; avoid inhalation of fumes; ensure sufficient ventilation!

**Firefighting**

Foam, CO<sub>2</sub>, extinguishing powder or sand, never use full water jet.

**Accidental release measures**

Absorb with binding material (e.g. sand, diatomaceous earth, acid binder, universal binder) and dispose of in accordance with the local regulations.

**Disposal**

Dispose of product residues and packaging in accordance with the local regulations.

## 2. Greenmark®

The sub-brand Greenmark® comprises all marking systems of Lackfabrik Bäder GmbH & Co. KG, which are free of hazardous substances and have a particularly gentle effect on people and the environment.

It is the result of Bäder®'s strategic decision to rely largely on high-performance water-based marking systems for new developments and thus to decisively improve the ecological footprint. The Zero range marks the beginning and will be completed by further high-performance systems this year and in the coming year.

### Properties of all Greenmark® products

- Water-based
- VOC-free
- HAP-free
- No dangerous goods
- Insulating
- Good media resistance



Designed for  
the future

### 3. Disclaimer

The above information in this technical data sheet (TDS), in particular suggestions for the processing and application of our products, is based on our current knowledge and experience. Due to the different application possibilities and the application and working conditions beyond our control, we assume no liability for the suitability of our products for the relevant production processes under the specific working conditions and the intended processing purposes and results. To ensure such suitability, we recommend in any case that you carry out sufficient trials and tests yourself beforehand.

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