

# H. AUGUST MÜLLER e.K.

## SCHRAUBENSICHERUNGSLACK

H. August Müller e.K.  
Inh. Andrea Scholze  
Schildgasse 26 90403 Nürnberg  
T +49 (0) 911 226 278  
F +49 (0) 911 202 760 0  
[info@schraubensicherungslack.de](mailto:info@schraubensicherungslack.de)  
[www.schraubensicherungslack.de](http://www.schraubensicherungslack.de)

### PRODUCT INFORMATION FOR SCHRAUBENSICHERUNGSLACK ZK1003

- Containing solvent nitro-combi-lacquer
- Screws protection varnish
- Fast surface and complete drying

#### Technical / Physical Data

<b>Resin / Binder</b>	nitrocellulose- / alkydharz- combination
<b>Colour</b>	acc. to RAL 3001 / RAL 1021 / RAL 5012 / RAL 6010 / RAL 7011
<b>Gloss value</b>	matt
<b>Original viscosity</b>	4500 -6500 m Pas. / Sp.5
<b>Thinner</b>	EFD-Thinner 400320
<b>Density</b> calculated	1,1 g / ml + / - 0,2
<b>Solid content</b> calculated	55 % + / - 3
<b>Solid content in volume</b> calculated	370 ml / kg + / - 20
<b>Consumption</b> calculated in original viscosity, with- out application loss	64 bis 72 g / m2 dry film thickness 25 µm see „Notes“
<b>Spreading rate</b> calculated in original viscosity, with- out application loss	14,0 to 15,5 m2 / kg dry film thickness 25 µm see „Notes“

#### Storage

The production date can be found on the product label. In the original packing at least 24 months, if the original packing is stored within 5 to 25 °C. Opened packages should be used immediately. Average shelf life for this product is 18 months from delivery date. Storage beyond the 12 month period does not necessarily mean that the product is useless. An examination of the characteristics necessary for the respective targeted application is however essential for reasons of quality assurance in such a case.

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### PRODUCT INFORMATION FOR SCHRAUBENSICHERUNGSLACK ZK1003

#### Processing and application

##### Application for 50mg tube

Carefully squeeze the tube and deposit the coating using the spout as a guide.

##### Substrates

steel, stainless steel, aluminum  
must be checked - zinc and galvanized substrate

##### Pretreatment

The substrate must be free of materials which prevent adhesion, e.g. oil, grease, dust and surfactant. According to the requirements we recommend to apply the suited chemical (e.g. phosphatising, chromating) or / and mechanical (e.g. shot blasting) pretreatment.

##### Suitable surfaces

substrate: steel  
top coat: coating ZK 1003

##### Application temperature

above 10 °C

##### Drying

dust dry:	air dry at 20°C after 20 Mins.	(% of drying 1/ DIN 53150)
touch dry:	after 30 Mins	(% of drying 4/ DIN 53150)
completely dry:	after 6 days	(swing beam hardness/ ISO 1522)
oven dry:	bis 50°C possible	(object temperature)
temperature in use:	max. 130°C	(excluded zinc and galvanized substrates)

##### Recommended solvent cleaner

Thinner (Nitro-cellulose thinners)

##### Safe working environment

While handling this coating we recommend the following precautions be observed. Apply the product in a well ventilated work space and wear protective clothing.

References to dangerous materials and recommendations for health and safety / environmental protection can be found in the appropriate data sheets.

#### Notes

##### Test conditions

The statements concerning efficiency, drying and caution labeling depend on colour. The values mentioned in this data sheet are based on ZK1003, signal red. All information is based on a standard climate 20/65 DIN 50014. For the calculation of the practical consumption loss additions have to be considered. Indications to this are the practical experience and advices given in DIN 53220. All information are based on our product knowledge and experience. This information sheet is a guide for use only. For further information please contact us.

The information stated here are reference values and are not given as a specification.

Producers certificate dated: 10. January 2019 / Version 4 / Printed 10.01.2019

Our technical data sheets are to advise you according to up-to-date knowledge of the product. This information does not release you from your own tests of our products in view to the ability for the intended procedures and applications. The sale of our products is through strict accordance with our terms of business and delivery.

The producer is certificated with: ISO/TS 16949: 2002 EMAS II