WEICONLOCK AN 302-71 Threadlocker

Technical Datasheet

Introduction

WEICONLOCK products are high quality anaerobic adhesives and sealants on the basis of special methacrylate resins, especially made for economical threadlocking, retaining and sealing of threaded, cylindrical and pipe assemblies.

Locking of threads and stud bolts;
medium viscosity, high strength, hard to disassemble

Technical data

Application	Locking of threads and stud bolts
Features	medium viscosity, high strength
Colour	red
For threaded joints up to	M 20 R ¾"
Viscosity at +25°C Brookfield	500 nt mPa·s
Gap filling capacity max.	0,15 mm
Breakaway strength (Thread)	28 - 35 Nm
Prevailing strength (Thread)	50 - 65 Nm
Shear strength (DIN 54452)	15 - 20 N/mm²
Handling strength at room temperature	10 - 20 min.
Final strength at room temperature	3 - 6 h
Temperature resistance	-60 to +150 °C

Pretreatment of the surface

In general, WEICONLOCK does not require special pretreatment as slightly oily surfaces (e.g. on as received parts) will be tolerated. However, best results will be achieved on cleaned, degreased parts (use WEICON Surface Cleaner). If required, the parts should be slightly roughened.

Processing

WEICONLOCK is ready for use and should be applied evenly direct from the bottle/tube with the dispensing tip (avoid direct contact of dispensing tip with metal). On press fitted parts and larger cylindrical assemblies a thin and uniform layer should be applied on both surfaces. In the case of threaded blind holes fill sufficient quantity in the bore hole. On screws and bolts, apply WEICONLOCK around the thread.

Do not pour back into the bottle any WEICONLOCK fluid which had contact with metal; even smallest metal particles will cause the content of the bottle to cure. In series construction, the use of manual or automatic applicators is recommended.

Storage

WEICONLOCK can be stored in the unopened original container for at least one year at room temperature. Keep away from heat sources and direct sunlight. The air in the bottle/tube keeps WEICONLOCK liquid.

Note

WEICONLOCK adhesives and sealants generally do not cause allergic reactions of the skin. However, in isolated cases where skin is continuously bruised or micro-lacerated sensitisation may occur. Therefore, extensive and direct contact with the skin should be avoided, e.g. by use of WEICON Hand Protective Foam. See further details in the Material Safety Data Sheets which are available upon request.

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility. This information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

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