

# WEICONLOCK® AN 302-71 Locking of Threads and Stud Bolts



medium viscosity  
high strength  
hard to disassemble

Locking of threads and stud bolts

## Technical Data

Colour	red
For threaded joints up to	M 20 R ¾"
Viscosity at +25°C (+77°F) according to Brookfield	500 nt mPa·s
Max. gap bridging	0,15 mm
Breakaway strength (Thread)	28 - 35 Nm
Prevailing strength	50 - 65 Nm
Shear strength Nmm <sup>2</sup> (DIN 54452)	15 - 20 N/mm <sup>2</sup>
Handling strength at room temperature	10 - 20 min.
Final strength (100%) after	3 - 6 h
Temperature resistance	-60 to +150 °C

\*Strength values based on M 10 screws, 8.8 grade, thickness of nut 0,8.d Static shear strength based on cylindrical parts of abt. Ø 13 mm, tolerance (D-d) = 0,05 mm, l/d = 0,88

## Surface pre-treatment

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). For sealing applications, apply WEICONLOCK in circular motions on the thread. Assemble and tighten parts. 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 24 months at room temperature. Keep away from heat sources and direct sunlight. The air in the bottle/tube keeps WEICONLOCK liquid.

## Safety and health

When using WEICON products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets ([www.weicon.com](http://www.weicon.com)) must be observed.

## Available sizes:

30271020	WEICONLOCK® AN 302-71 Locking of Threads and Stud Bolts 20 ml
30271150	WEICONLOCK® AN 302-71 Locking of Threads and Stud Bolts 50 ml
30271200	WEICONLOCK® AN 302-71 Locking of Threads and Stud Bolts 200 ml

## Accessories:

11202400	Sealant and Adhesive Remover, 400 ml
11207400	Surface Cleaner, 400 ml
11850200	Hand Protective Foam, 200 ml
30700200	Activator F, 200 ml
30955172	Dosing Tips, Size 1
30955179	Dosing Tips, extra thin

## Note

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.

WEICON GmbH & Co. KG  
(Headquarters)  
Germany  
phone +49 (0) 251 9322 0  
info@weicon.de

WEICON Middle East L.L.C.  
United Arab Emirates  
phone +971 4 880 25 05  
info@weicon.ae

WEICON Inc.  
Canada  
phone +1 877 620 8889  
info@weicon.ca  
www.weicon.ca

WEICON Kimya Sanayi Tic. Ltd. Şti.  
Turkey  
phone +90 (0) 212 465 33 65  
info@weicon.com.tr  
www.weicon.com.tr

WEICON Romania SRL  
Romania  
phone +40 (0) 3 65 730 763  
office@weicon.com

WEICON SA (Pty) Ltd  
South Africa  
phone +27 (0) 21 709 0088  
info@weicon.co.za

WEICON South East Asia Pte Ltd  
Singapore  
phone (+65) 6710 7671  
info@weicon.com.sg

WEICON Czech Republic s.r.o.  
Czech Republic  
phone +42 (0) 417 533 013  
info@weiconcz.cz

WEICON Ibérica S.L.  
Spain  
phone +34 (0) 914 7997 34  
info@weicon.es