

WEICONLOCK® »White Line«

The new »White Line« for increased health protection and safety at work

– marking-free¹ –

New

In order to take the increased requirements in the field of health protection and safety at work into account, WEICON now introduces the WEICONLOCK »White Line«.

The new formulas also enable use in sensitive production areas. Three types of the »White Line« have a »white« EC safety data sheet and are therefore marking-free and meet strict requirements of plant physicians.

The new »White Line« has been tested in accordance with the demanding requirements of the NSF/ANSI 61 (American National Standards Institute) for use in the drinking water area. It is therefore in particular suitable for applications in the food, cosmetics and pharmaceuticals sectors.

The new WEICONLOCK »White Line« can also be used in all other areas of industry.



This results in the following advantages when using the new WEICONLOCK types:

- NSF drinking water approval in accordance with ANSI 61
- No marking¹ with danger symbols and risk or safety statements of the safety data sheet in accordance with the EC Regulations No. 1907/2006 – ISO 11014-1
- Increased safety at work and health protection
- Excellent resistance to chemicals after curing
- Temperature-resistant up to +200°C²



¹ Applies to the types AN 301-43, 301-70 and 301-72
² Applies to the type AN 301-72

New

Overview of types:

- AN 301-43** Threadlocking, medium-strength, – marking-free –
- AN 301-70** Threadlocking, high-strength, – marking-free –
- AN 301-72** Pipe and flange sealing with PTFE, medium-strength, resistant to high temperatures, – marking-free –
- AN 301-38** Retaining cylindrical assemblies, high-strength
- AN 301-48** Retaining cylindrical assemblies, high-strength, resistant to high temperatures



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Distributed by:

WEICONLOCK in liquid condition

Type	AN 301-43	AN 301-70	AN 301-72	AN 301-38	AN 301-48
Approvals:	NSF DVGW***	NSF	NSF DVGW***	NSF	NSF DVGW***
Application:	Threadlocking	Threadlocking	Pipe and flange sealing with PTFE	Retaining cylindrical assemblies	Retaining cylindrical assemblies
Characteristics:	medium-strength higher-viscosity marking-free	high-strength medium- viscosity marking-free	medium-strength high-viscosity marking-free	high-strength medium- viscosity	high-strength medium- viscosity
Colour:	blue	green	white	green	green
	fluorescent				
For threaded connections up to:	M 36	M 25	M 80 R 3"	M 36	M 20 R ¾"
Viscosity at +25°C in mPa·s Brookfield:	2,000 – 8,000 medium- thixotropic	500 – 900 medium thixotropic	15,000 – 60,000 highly thixotropic	2,000 – 3,000	450 – 650 medium thixotropic
Density (g/cm³):	1.12	1.10	1.00	1.10	1.10
Max. gap filling in mm:	0.25	0.15	0.30	0.20	0.15

WEICONLOCK in cured condition

Breakaway strength* Nm (thread, DIN 54454):	18 – 22	25 – 35	5 – 10	30 – 40	25 – 30
Prevailing strength* Nm (thread):	9 – 11	40 – 50	4 – 6	45 – 60	40 – 55
Shear strength** N/mm² (DIN 54452):	10 – 13	14 – 20	5 – 7	20 – 25	25 – 30
Handling strength at room temperature (minutes):	5 – 15	5 – 15	15 – 30	approx. 5	2 – 6
Final strength at room temperature (hours):	1 – 3	5 – 10	6 – 12	2 – 4	2 – 4
Temperature resistance (°C):	-60 to +150	-60 to +150	-60 to +200	-60 to +150	-60 to +175

* Determined on M 10 x 20 screw - quality 8.8 galvanised - 0.8d nut (without pre-tensioning)

** Compression shear strength determined on cylindrical parts approx. 13 mm dia., clearance (D-d) = 0.05 mm, l/d = 0.88

*** Attention: The permanent use of WEICONLOCK in connections containing copper, which come into contact with water > 40°C is not recommended without thorough prior testing on original parts. Not permissible for gas home installation according to TRGI 86/96. Tested according to DVGW (DIN EN 751-1) and KTW.

Delivery forms:

The WEICONLOCK »White Line« is available in the sizes 50 ml and 200 ml Pen System.

Notes on application:

Apply WEICONLOCK evenly while making sure to avoid direct contact between the dispensing tip and metal. Apply to screws and bolts in the shape of a ring. Do not pour WEICONLOCK, which has already come into contact with metal, back into the pen; even the smallest metallic particles will result in curing.

The specifications and recommendations given in this brochure 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.