

## Technical Datasheet

Create Date: 03.01.2018 - Seite 1/1

# Thread sealing AL-577



yellow  
high viscosity  
medium strength

Thread Sealing

### Technical Data

Colour	yellow
Fluorescent	Yes
For threaded joints up to	M 80 R 3"
Viscosity at +25°C (+77°F) according to Brookfield	24.000 - 70.000 ht mPa-s
Max. gap bridging	0,5 mm
Breakaway strength (Thread)	18 - 22 Nm
Prevailing strength	10 - 14 Nm
Shear strength Nmm <sup>2</sup> (DIN 54452)	6 - 13 N/mm <sup>2</sup>
Handling strength at room temperature	15 - 30 min.
Final strength (100%) after	1 - 3 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, Thread sealing AL-577 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. If required, the parts should be slightly roughened.

### Processing

Thread sealing AL-577 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). Apply Thread sealing AL-577 in circular motions on the thread. Screw pipe threads together and tighten until desired orientation. When using as flange

sealing apply a continuous bead on one side. Join and tighten parts quickly. Do not pour back into the bottle any Thread sealing AL-577 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

Thread sealing AL-577 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 Thread sealing AL-577 liquid.

### Safety and health

When using products, the physical, safety technical, toxicological and ecological data and regulations in our EC safety data sheets must be observed.

## Technotopogs FZCO

Head Office Middle East: Hamriya Free Zone-Sharjah, UAE  
Tel: +971 6 5262004 • Fax: +971 6 5262030  
info@technotopogs.com • www.technotopogs.com

Westhafenplatz 1  
60327 Frankfurt/Main, Germany  
Tel: +49 (0) 69 710456072