

TECHNICAL DATA SHEET

E-1243 MEDIUM-STRENGTH

User-friendly threadlocker.

The product cures (polymerizes) without atmospheric oxygen (anaerobic) and under the catalytic effect of metal (metal contact). Etra E-1243 seals and closes a wide range of screw connections. Compared to conventional anaerobic adhesives, Etra E-1243 is completely hazard-free. The product has a longer shelf life (24 months instead of 12 months), withstands storage well, and has better temperature resistance, which is up to +180°C in use.

SIZES / ARTICLE NUMBER

50 ml Accordion Bottle 10340012174

INFORMATION ABOUT APPLICATION

Medium-strength threadlockers are not suitable for areas where gaseous oxygen is used or for sealing against media containing highly oxidizing acids.

The product may only be used on standard metal threads. The surface to be treated must be free of grease and completely clean. For this purpose, we recommend using Etra Fast Degreaser degreaser. After cleaning, fill the gap between the two parts with threadlocker, put the parts together, and tighten them completely. Insufficient sealing may cause leaks after a certain period of time. Do not move the parts once the curing process has started.

Allow the adhesive to cure completely for 24 hours before use. In the case of serial production, lock or clamp the bond with a pipe wrench to prevent the layer that is already hardening from breaking. In the case of passive surfaces and/or low temperatures, we recommend 48 hours for complete hardening.

STORAGE & DURABILITY

The shelf life is, at the optimum storage temperature of +5 °C to +23 °C in the closed original container, a maximum of 24 months. A higher storage temperature leads to a significantly lower durability. The storage temperature must not fall below +5 °C.



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TECHNICAL PROPERTIES OF UNCURED PRODUCT:

Chemical Base:	Modified Acrylate
Colour:	Blue, fluorescent
Viscosity ¹⁾ [mPas]:	1.500-4.000
Density ²⁾ [g/ml]	1,08 – 1,10
Max. Thread Diameter:	M36
Flashpoint ³⁾ [°C]:	> +65
Application Temperature [°C]:	10-40

1) At 25 °C, Brookfield viscometer

2) Measured according to DIN 53217, part 2 density sphere model 475/III

3) Measured according to DIN 51755

CURING PROPERTIES*:

Handling Cure Time [min]:	5-15
Functional Cure Time [h]:	3-6
Final Strength After [h]:	12-24

TECHNICAL PROPERTIES OF HARDENED PRODUCT:

Breakaway Torque [Nm]:	15-25
Temperature Resistance [°C]:	-55 to +180

NOTE:

Please note the information and notes in our respective safety data sheets. The data contained herein are for informational purposes only and are believed to be accurate to the best of our knowledge. We assume no liability for the results. For optimum functionality of the adhesive system, please only use the cartridge released by Etra. The product is only suitable for professional and experienced users. It is the user's own responsibility to take precautions to protect property and people from the hazards that may be encountered in handling and using these products. Accordingly, Etra specifically disclaims any warranty, expressed or implied, including any warranty or suitability commitments for a particular purpose. Etra disclaims all liability for consequential or indirect damages of any kind.