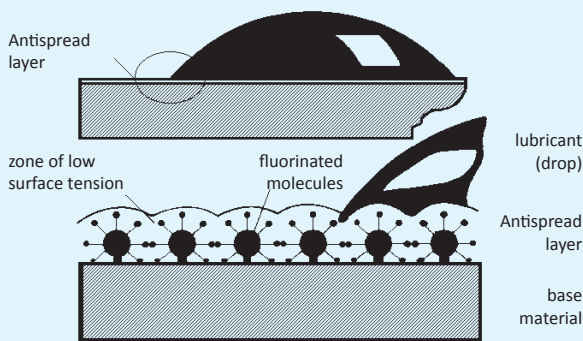


Product Specifications

Technical Information:

Function	the agent polymerizes on the solid surface on evaporation of its solvent
Film Thickness	approx. 0.01 µm (E2/200)
Active Ingredient	fluorinated polymer (solid) with a repelling effect on all known lubricants (reduced efficiency with fluorinated lubes)
Solvent	Partially fluorinated ether (FE 80); (contains no chlorine, does not contain perfluorinated carbons PFCs)
Thermal Stability (film)	-75 °C to +200 °C [-103 °F to +392 °F]
Density	1.4 g/cm ³ at 20 °C [+68 °F]
Color	colorless
Boiling Range	60 °C to 80 °C [140 °F to 176 °F]
Ecology	GWP = 59 (very low global warming potential) ODP = 0 (no ozone depleting potential) ALT = 0.77 years (atmospheric life time)
Inflammability	not inflammable (flammability range in air 2.4 to 12.4 % vol.)
Toxicology	physiologically harmless, if used properly; details see safety data sheet
Coverage	approx. 80 g/m ² , depending on method of application and type of parts
Compatibility with Plastics (static tests)	
compatible	PE, PP, POM, PBT, PA66, PC*, PPOX*, PMMA, ASA*, ABS*, elastomers (butyl-rubber, natural rubber, EPDM, EPR) *additionally tension crack tests
limited compatible	PTFE, silicone rubber, NBR (during longer exposure)
Efficacy	on all materials, except PTFE



The Antispread coating acts as a network whose fluorine „bristles“ repel the lubricant.

Test of Efficacy:

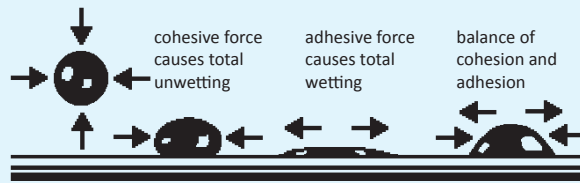
Apply drop of test fluid of 1 mm diameter to treated parts. Over 4-hour period, area covered by drop may not become bigger. Contact angle must be between 5° and 45° at room temperature.

P360a

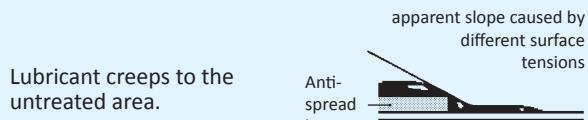
Antispread E2/200 FE 80

Article No. TE1620

Epilamisation Agent for Metals and Plastics

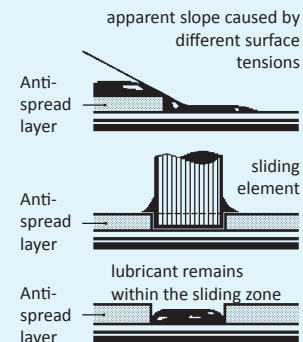


Antispread reduces the surface tension of the solid as far as silicon oil can't spread any more.



Lubricant creeps to the untreated area.

Epilam layer is removed by friction.



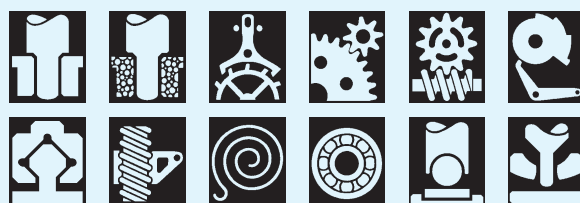
If possible sliding elements should be allowed to work without lubrication for a short time, thus the antispread layer being removed and the lubricant applied remaining precisely at the point or area of friction.

Directions:

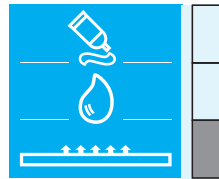
- Cleaning** surface contaminants, such as corrosion inhibiting oils, detaching fluids and water must be removed before using Antispread.
- Immersing** 5-10 seconds at room temperature
- Spraying** caution, use only in well ventilated areas.
- Brushing** should be done rapidly. Antispread is highly volatile!
- Stamping** a circular stamp can be used to build a barrier.
- Drying** approx. 10 seconds at room temperature. Warm air speeds the process.

Application:

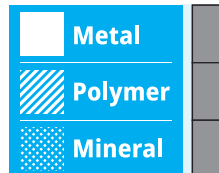
The use of Antispread is recommended for precision and for lifetime lubrication in precision machinery. The use of Antispread is essential for the silencing effect of high viscous lubricants in quartz clocks with step motors. The use of Antispread is imperative for the lubrication of plastics. For dented wheels, bottom plates, electric contacts, printed circuit boards, ball bearings, sensitive machine tools, counters, printers, open bearings. Using the system bearing/shaft both parts, bearing as well as shaft must be treated with Antispread.



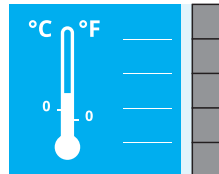
Product



Bearing material



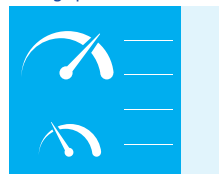
Application temperature



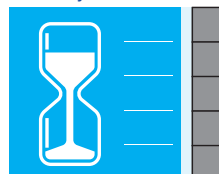
Bearing load



Sliding speed



Durability



Viscosity



Wetting

