

FIXODROP W 8970-8971

Aqueous epilame



Description

Epilamation is a surface treatment intended to lower the surface tension of the support thus preventing the spreading of liquid lubricants. It provides the highest possible degree of security for mechanical precision instruments.

Fixodrop W is an aqueous economical epilame. The active substance is a high activity fluorine component. This washable epilame can be removed after a simple wash with an aqueous or alcoholic solution.



Technical features (indicative values)

Nanometric film	Invisible
Active material	Fluorinated polymer
Diluent	DeminerIALIZED water
Density at 20 °C	1,00 g/ml
Boiling point	100 °C
Flash point	non-flammable
Toxicity	non-toxic
Film thickness	approx. 3 - 5 nm
Surface tension	approx. 16 mN/m
Stability of the polymer	up to 180 °C
Compatibility	All types of materials (Ruby, steels, brass...)

Application fields

Fixodrop is successfully used in the following application :

- Hydrophobic and oleophobic (epilame) surface treatment for mechanisms, electronic appliances and mechanical parts
- Precision micromechanics (watch, timer, measuring devices, tools, ...)
- Instrumentation and counters (automotive, aeronautic, naval,...)
- Cameras and optical instruments
- General mechanics (office equipment, fans,...)

Our range

Fixodrop W 8970	▶ Concentrate
Fixodrop W 8971	▶ Ready-to-use solution

Mixing instructions :
Before dilution, the concentrate must be shaken vigorously, also during partial sampling. Any empty bottle should be rinsed.

Storage

We advise keeping Moebius products in their original packaging in a clean and dry place, protected from light, ideally at a temperature of 15 to 26 °C.

After opening we recommend keeping the products for a maximum of 12 months.

Implementation

Preparation of the support before use :

- All parts in contact with lubricants should always be treated.
- Before Fixodrop treatment, all parts must be cleaned and dried.
- Fixodrop-treated anchor pallets should be lubricated only after running dry for 1 to 2 minutes.

Dipping application :

- The parts are subsequently immersed for a minimum of 30 seconds in the Fixodrop bath and slightly shaken. The epilame can also be applied by spraying.

Drying :

- After immersion the pieces are drained by stirring and immediately dried, preferably by a stream of hot air at about 60 °C. The drying time can be reduced by drying under vacuum.
- This treatment is necessary to guarantee a good homogeneity of the film and the esthetics of the piece.
- Since the surface tension of the Fixodrop W solution is somewhat higher, the result is a thicker liquid layer. Therefore neither agitation nor air flow must be too excessive because this would cause, by partially removing the solution, irregularities in the epilame layer.

Advices :

- The Fixodrop bath must be protected from dust by a cover.
- The cleanliness of the bath is to be checked regularly. In case of appearance of dust or other impurities, the bath should be filtered or changed.

