

ISOFIX BT

finishing lubricant for cocoon bobbins thread

DESCRIPTION

Isofix BT is a special finishing lubricant for coreless bobbins (cocoon bobbins) for the quilting and schiffli embroidery industry.

Isofix BT gives a large number of benefits when compared with conventional finishings made with silicone and paraffin.

Isofix BT is ideally suited as a final finish for all types of thread:

- polyester (continuous filament, spun poly, poly/poly, core spun, HT, texturized);
- polyamide (nylon, kevlar);
- polynosic spun;
- cotton;
- speciality threads.

PROPERTIES

- Isofix BT provides outstanding finishing results by enhancing the surface slip and increasing the abrasion resistance of thread.
- Isofix BT strongly reduces friction (fibre-fibre, fibre-metal) and thus permits high speeds of quilting/embroidery processing, without thread breakages.
- Isofix BT ensures consistent tensioning of thread, from the beginning to the end of the bobbin. Tension remains uniform during the entire quilting/embroidery operation, ensuring high quality of final products.
- Isofix BT prevents internal collapse of the bobbins, even in modern high speed machines. This reduces waste and downtime, for the best and most efficient production.
- Other benefits include:
 - › strong reduction of static charge;
 - › enhancement of surface smoothness;
 - › improved heat resistance;
 - › no influence on tensile strength;
 - › high-speed winding of shuttle bobbins, without "sling" or waste of lubricant.

Bobbins finished with Isofix BT show superior performance properties and give better and more efficient running than most of cocoon bobbins made with traditional finishing lubricants (silicone and paraffin based).

COMPATIBILITY

Isofix BT is compatible with most commonly encountered amphoteric, cationic and anionic textile auxiliaries.

It does not alter colours stability and does not stain.

It has been toxicologically tested and is not toxic at all.

It is not corrosive and does not contain corrosion inhibitors.

USE

Isofix BT is ready to use.

Recommended application level is around 2%÷3% on thread weight, depending on type of thread.

Isofix BT is usually applied via lick-roll (also known as kiss-roll, basin/roll, gallet).

Isofix BT wets the lick-roll with a uniform thin layer. When the thread comes into contact with this layer, the lubricant is transferred to the thread and spread out forming a homogeneous film on the surface of the thread.

Other finishings often create a non-homogeneous layer, resulting in scarce lubrication and poor finishing of thread.

Due to its enhanced formulation, Isofix BT always gives a perfectly homogeneous lubrication.

STORAGE

Stable for periods up to 24 months under normal storage conditions. Keep away from frost.

PACKS

10 liters tank, for testing purpose only.

60 liters polyethylene drum.

1000 liters IBC.

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PHISICAL AND CHEMICAL DATA

Aspect:	white fluid emulsion
Chemical type:	non-ionic
Concentration:	35% min.
pH (as is):	5,5 ca.
pH (5% sol. H ₂ O):	6,5 ca.
Viscosity:	< 5.000 mPas
Miscibility:	easily miscible with cold water (any ratio)
Compatibility:	compatible with all classes of textile additives
Stability:	24 months in original unopened container, under normal storage conditions
Storage:	keep away from frost; keep away from direct sunlight; store in a cool ventilated area, at temperature between 5 ÷ 40°C.

SAFETY STATEMENTS

This product is not classified as hazardous and does not require labelling according to the European Regulation 1999/45/EC and 1272/2008/EC.

This product is not subject to transport regulations, since it is not classifiable as hazardous for transport, according to Directive 94/55/CE and 96/49/CE.

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