

ERGOFLEX

ERGOFLEX is a polyurethane paint that allows the realization of a resistant, elastic and waterproof (but not airproof) skin, with a matt and tense finish. You can change its finish according to how it is sprayed. ERGOFLEX is aimed to protect, finish or decorate soft or rigid materials.

ERGOFLEX is a white opaque liquid, very fluid and ready-to-use. It can be colored in various shades by adding in the resin our coloring agents in paste (white, black, green, blue, yellow, orange, red, dark or light flesh).

It is usually sprayed but can also be applied with a brush in thin layers to remove the sticky effect of certain polyurethane gels.

This paint has a very good grip on the soft polyurethane foams. It can be used without a primary grip coating.

Here are the advantages ERGOFLEX provides:

- Limited odor
- Control of toxicity (ERGOFLEX is not labelled Carcinogenic, Mutagenic, Reprotoxic)
- Short drying time: 1 hour
- Do not stick on itself
- Easy to implement (less yarns)
- Low quantity needed for a nice finish
- Good mechanical properties (elasticity, tear resistance)
- Waterproof
- Slight shrinkage which provides a matte and tense effect
- Customizable coloring in 200 L barrels.

For substrates other than PU, please use beforehand our sprayable primary ERGOPEAU PRIMAIRE.

This paint has been especially designed for the coating and the finishing of tibialis or femoral cosmetics.

Basic principle concerning the use of ERGOFLEX paint

1- Weigh the quantity of coloring agent to put in the paint. Do not exceed 2% in weight (e.g. 10 g of coloring agent for 500 g of paint).

Indeed, a dye is a pigment (mineral or organic) impasted with a resin that should not generate a parasitic reaction during the crosslinking of the film.

Well mixed, the product is ready for use. This mixture can be stored for several days if stored in bulk, well-closed and protected from moisture.



Technical characteristics

Density g/L: 840

Dry extract %: 14 to 18

Viscosity mPa.s: 170

Basic smell: acetone

Basic color: white opaque

2- The purpose of the first veil is to impregnate the foam or the fabric to create a mechanical bonding between the paint and the material. For this, place the gun at 10 cm from the surface to be covered with a pressure of 5 to 6 bar, so that the paint is still "wet" on the support.

3- The aim of the second layer is to create an elastic and resilient skin thanks to a tangle of yarns like a spider's web, in order to close the cells of the foam. For this, place the gun at 25/30 cm from the support and adjust the opening of the gun to obtain a jet of about 10 cm. The painting must arrive dry on the support. Apply between 4 and 6 cross-passages.

4- The aim of the third layer is to increase the thickness of the skin. For this, place yourself at 25/30 cm from the surface and increase the material flow to be slightly wet on the support. The thickness of the paint layer is not a problem. If you want to put a thick layer in some places (for various reasons, solidity for example) or to smooth a surface roughness it is better to do it in a single pass crossing the projections of 45°.

The thicker the paint layer, the stronger the resulting film will be but it will lose in elasticity.

The drying time of ERGOFLEX is about 1 hour to obtain a film with optimal mechanical properties.

Handling and safety

ERGOFLEX paint contains active polymers that are carried by solvents that evaporate very quickly. Solvents' vapors present a double risk: they are highly flammable and more or less harmful to inhale. Use the product away from any flame or source of ignition (especially do not use hot air guns to accelerate the evaporation of the solvent)

Work in well ventilated rooms, in order not to breathe vapors that appear at room temperature and use extraction systems suitable for flammable products next to the spray stations.

In addition, use protective gloves, safety glasses and appropriate masks.

Finally, please read the safety information on the cans and the safety data sheets.

Storage and packaging

The ERGOFLEX paint is guaranteed for 18 months if stored between 18°C and 25°C in hermetic container, away from moisture and light.

The ERGOFLEX is available in various packaging:

PACKAGING	REFERENCE
1 L, 5 L, 25 L, 57 L	EFX R01, R05, R25, R57

Custom's code

ERGOFLEX RESIN	35069100
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