



ITOPROOF BRY

Technical Data Sheet

Introduction

Itoproof BRY is a fluorine-free water repellent agent for textiles made of synthetic and cellulosic fibers, especially cotton, polyester and their blends.

1. Features

- Itoproof BRY provides a top-quality water repellence for polyester and cotton fabrics and their blends.
- Itoproof BRY is a fluorine-free product.
- Itoproof BRY shows excellent durability to home laundry, as well as dry cleaning.
- Itoproof BRY is compatible with numerous textile auxiliaries, such as cross-linking agents, catalysts, softeners and many others. Users are advised to run their own tests before application.
- Itoproof BRY's performance is affected by residues on textiles at a minimal rate.
- Itoproof BRY does not contain any APEOs (Alkylphenolethoxylates), PFOAs (perfluorooctanic acid) and PFCAs (perfluorocarboxylic acids).
- Itoproof BRY shows high biodegradability due to its chemical build.
- Itoproof BRY is not applicable for oil repellence.
- Itoproof BRY is not flammable.

2. Physical/Chemical Properties

Appearance	Milky white liquid
pH (25 °C)	Acidic
Ionic charge	Weakly cationic
Solubility	Easily soluble in water

3. Application

Itoproof BRY is applied by padding method. Depending on the fiber type and expected effect, the amount to apply ranges between 30 - 100 g/l. Optimal pH for the finishing liquor should be approximately 4-5.



ITOPROOF BRY

Recommended Usage:

100% Cotton

50-100 g/l Itoproof BRY (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 150-170°C for 1-3 min

PES/Cotton

30-80 g/l Itoproof BRY (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 150-170°C for 1-3 min

100% PES

30-80 g/l Itoproof BRY (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 150-170°C for 1-3 min

* It is recommended to adjust pH between 4-6 during the process.

** In some cases higher curing temperatures have a positive effect on washing fastness of the product.

4. Precautions for use

- Itoproof BRY can be stored for at least 6 months at 5°C – 40°C.
- Stir well before use.
- Use under adequate ventilation is recommended. It is not safe to breathe any vapor or mist.
- Wear protective equipment when handling. Avoid direct contact with eyes and skin.
- See the Material Safety Data Sheet for further information about safe use.

This technical brochure prepared by MEKSA Company serves the purpose of providing useful information to our customers. SUM makes no warranties, expressed or implied, about any results. It is strongly recommended for our customers to run tests under their standard processing conditions before use.