

INTU FR GUARD

Fire retardant impregnate

TDS Technical Data Sheet



INTUSEAL®
passive fire protection manufacturer

www.intuseal.com

→ PRODUCT DESCRIPTION

The impregnate **INTU FR GUARD** is intended for fire protection of fabrics, decorations and clothing not exposed to wetting. The product gives cotton, wool, polyester, polyamide and decorative mosses a non-flammability feature.

INTU FR GUARD has the form of a white-gray powder granulate. The impregnate is used in the form of an aqueous solution. It contains phosphorus and ammonium compounds and surfactants that help wetting impregnated fabrics.

→ APPLICATION

- Schools, kindergartens,
- Public administration buildings,
- Residential buildings, companies,
- Theaters, cinemas, hotels,
- Congress centers,
- Shopping centers
- Other objects

→ TRANSPORT AND STORAGE

Store in dry and cool conditions at temperatures between + 5°C and + 25°C. Shelf life as specified on the product label.

→ INSTALLATION METHOD

Preparation for impregnation

INTU FR GUARD LIQUID - is a ready to use preparation containing phosphorus and ammonium compounds and surfactants that help wetting impregnated fabrics. The works should be carried out in the temperature range 15-30°C.

INTU FR GUARD GRANULATE – the product should be poured gradually into heated water up to approx. 50°C in the proportion of **1kg of impregnate to 4 liters of water** – stirring constantly, until the granules dissolve completely. The solution should be prepared a few hours before use.

Impregnation

- **Method of bath** - the expanded fabric should be immersed in impregnation for a period of 5 minutes. After removal, the fabric dried. You can not impregnate materials rolled into bales.
- **Spray or lubrication method** - fabrics that can not be soaked (carpers, pavements, decorative mosses) are impregnated by spraying or lubricating the fabric for complete hydration.



→ AVAILABILITY

Product	Type	Art. No.
INTU FR GUARD LIQUID SPRAY	500 ml	INGU05LS
INTU FR GUARD LIQUID	5 L	INGU5L
INTU FR GUARD GRANULATE	0,8 kg (3,6 l solution)	INGU1G
INTU FR GUARD GRANULATE	6,4 kg (25,6 l solution)	INGU8G

Drying fabrics after impregnation

Impregnated fabrics should be dried at room temperature. The process can be accelerated by raising the temperature to max 50° C.

Cleaning fabrics after impregnation:

After washing or soaking the fabric should be impregnated again because the impregnation is washable.

➔ YIELD

Standards of wear: the amount of impregnation used per unit of fabric Surface depends on the finish and absorbency of the material.

Approximate consumption of impregnate: 1L for 5-10m²

Type of fabric	Approximate intake g / m ²
Wool	100 ÷ 140
Cotton	50 ÷ 60
Polyamide	15 ÷ 30
Polyester	10 ÷ 40
Moss	150 ÷ 170

➔ COMPLIANCE

- DoP 14/2019
- Fire classification: 01928/18/Z00NZP
- Fire classification: 02957/19/Z00NZP
- TDS
- SDS