

TECHNICAL  
SHEET

DEF-FOC

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NON FIRE AND NON FLAMES

## DESCRIPTION

**DEFENSA** Non fire and non flames complex of ammonium sulfate (non halogen)



## PROTECTION PROPERTIES AND FIELDS OF APPLICATION

### The protective properties.

- Volatile organic solvents are not used.
- It produces little smoke.
- Low toxicity.
- Excellent penetration in paper products, fibre and timber.
- Not lost the original sense of the treated elements.
- It extends the time to seek refuge and slows the spread of the fire.
- Adopted as fuel QM-0294 and QM-0447 by the Ministry of land, infrastructure, transport and tourism (tested with plywood for structures and Cedars of Japan).
- Approved as anti-llama for activated carbon products.

### Campos de aplicación.

- Preparation for Woods.
- Plywood.
- Paper products.
- Cellulose fiber.
- Polyester fibre.

**For any application not referred to in this list of media both benefits please previously consult our technical department.**

### PRESENTATION OF THE PRODUCT

16kg

### BASE OF THE MATERIAL

Ammonium sulfate (complex)

### STORAGE

12 months in a cool, dark place and in their original containers closed. 6 months once opened.

## MODE OF USE

### (1) Preparation of the support.

The element where protection applies must be clean. Any remaining dirt or grease should be removed completely.

### (2) Preparation of the mixture.

Mix the Defense liquid with water in a ratio of 2: 1 depending on the use and needs. (2 defense: 1 water)

For more details on the implementation see the table in the section of consumption.

### (3) Application.

The product can be applied in the following ways.

- Immerse the elements directly to the prepared liquid of defence.
- Brush
- Roller
- Spray

Note: To obtain a maximum effect of non flame, is recommended to immerse elements to the prepared liquid of defence.

After 24 hours approximately at least (depending on weather and support) and a maximum 30 days apply another layer on the layer of Defense.

Not apply at temperatures below 5 ° C or above 35 ° C.

## HANDLING AND TRANSPORT

Usual precautions in the handling of chemicals should be observed for the handling and transport of this product.

For any information please consult the file of product safety.

Remember that the removal of the product and its packaging must be carried out in accordance with the legislation in force and is responsible for the final holder of the product.

## CONSUMPTION

Consumption may vary depending on the method of implementation such as conditions of elements. The following table indicates the case of submerged within the Defense liquid wood products.

Element	Aproximate consumption
Wood products	50 -100 (g/m <sup>2</sup> )
	100 (kg/m <sup>3</sup> )

## REMOVAL OF THE LAYER OF THE DEFENSA

The layer applied to defence can remove cleaning with cold water.

## CLEANING OF TOOLS FOR WORK

The tools used for the application can be cleaned with cold water simply.

## TECHNICAL DATE

Aspect	Liquid
Colour	Colorless - transparent
Nature	Inorganic
Solid Content	30±1
pH	6.5±1
Drying time	To the touch: 20°C ⇨ 30 min. Completing drying: 1 - 3 days.
Timeout between layers	Minimum 24 h – Maximum 30 days.

## IMPORTANT

### IMPORTANT:

The information contained in this data sheet serves exclusively for the description of the characteristics of the product, forms of employment and their applications. Exposed data based on our know-how fruits of research, tests in laboratory and practical experiences.

Data on consumption indicated on this tab are based on our own experience, so they are likely to vary according to the conditions of work and implementation. The actual consumption shall determine in the work and are the responsibility of the client.

Our technical department is at your disposal for any questions and additional advice. The warranty only covers in the event of default on the quality of manufacture of the product, the incorrect application against the standards of the manufacturer is the client's responsibility.

Other product applications that do not conform to those set out in this section shall not be our responsibility.

GLASS COVER EUROPE, S.L. reserves the right to modify the data included in this file to meet the evolution of the product in order to ensure a constant valid information.

A new edition of this file overrides the present.