

## TECHNICAL DATA SHEET

# ISONEM ANTI-FIRE SOLUTION SPRAY

(Non-Flammable Fireproof Solution Spray)

### Product Description

ISONEM ANTI FIRE SOLUTION SPRAY fireproof solution surrounds the molecules of the applied material and disables the contact with oxygen. Thanks to active substances contained Isonem Anti-Fire create a very strong thermal isolation and prevent to reach heat which could start the burning process. Thus, the substance it is applied never burn.

This product was tested on a plywood wooden door. The front side of 14 mm thick plywood was exposed to direct flame under a temperature of 1500 °C for 40 minutes, and at the end of this period, it is determined that the temperature of the backside only elevates to 120°C.

ISONEM ANTI-FIRE fireproof solution is a product that is produced of 100 % natural materials has no harm to human health, can 100 % soluble in nature and no contain banned materials. The fumes of a substance that is applied fireproof solution contain 50% less carbon dioxide and carbon monoxide than the natural state of the same substance. Besides, it is 20 - 25% richer in terms of smoke and nitrogen. Therefore, the suffocating effect of the smoke is reduced by half when the surface is not flammable. It is water-based, single-component.

### Usage Areas

- For wood materials, to the wood surface via the spray.
- For paint industry, before painting.
- For industry sector, absorbent materials like fabrics, cotton, wool, sponges, etc.

### Application Procedure

**Application method:** Shake the product before application. ISONEM Anti Fire Solution is used via spraying on the surface from 20 – 30 cm away. The approximate consumption amount is 150 - 200 mL /m<sup>2</sup>.

### IMPORTANT

- The application surface must be clean and free from all impurities like dirt, oil, and mud.
- It should be applied to only absorbent surfaces (textile, wood, etc.).
- During and after the application, protect from external factors such as rain, water, mechanical impacts, etc. for 24 hours.

### Packaging & Storage

<b>Packaging</b>	: 0,5 L Spray bottle
<b>Storage temperature (°C)</b>	: 5 - 35 °C
<b>Shelf life</b>	: 24 months from date of production if stored in original, unopened, undamaged packages.
<b>Storage condition</b>	: Protect the package from direct sunlight and avoid storing it in high temperatures above 50°C.

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## Cleaning of Tools

Clean all tools and application equipment with clean water immediately after use.

## Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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## Statement of Responsibility

The technical information and application advice given in this ISONEM Paint & Insulation Technologies publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.



**ISONEM BOYA VE YALITIM TEKNOLOJİLERİ İNŞ. SAN. TİC. A.Ş.**

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