

# ISONEM<sup>®</sup> ANTIFIRE POWDER



P. Code: 061

## Non Fire Powder

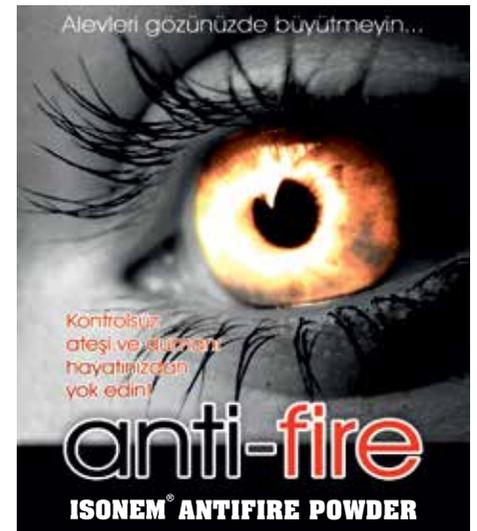
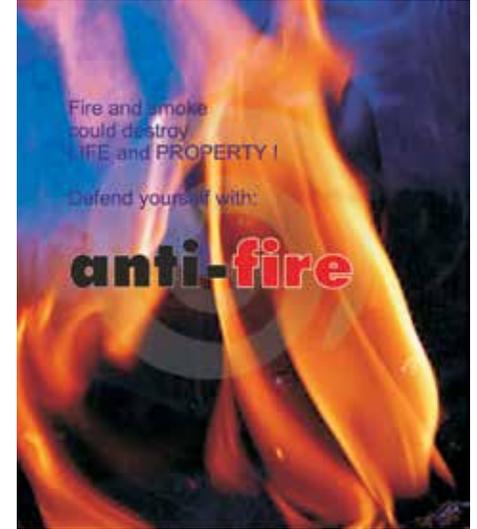
It is the latest technology all over the world in fire-fighting. Its general function is that the surface (surface-area) it is applied is capsulated in the molecular environment and protected against the possible miscellaneous external factors. As the product provides the applied surface with full capsulation and protection and it can be directed according to objectives, the effect and interest areas of the product spread into a wide range. The product does not give harm to human and nature balance in any environment it is used due to its structure (because of the organic nature of the substances used in its Formula). In reference of its other features, it is superior to all other fire extinguisher and anti-fire systems; the system is in high-concentrated structure. In closed areas, it has 10 year shelf life. It does not give harm to the container it is in. It doesn't lead to corrosion and it has protection against corrosion and it can be stored in any environment. When it comes to storage, if it will be used by long-term stocking, it is suggested to be stored in 20°C environment. It does not create any danger on materials and mechanical devices in the fire areas where sensitive value machines and devices take place due to its corrosion protective feature. In such environments, its structure is not degraded. Its transport and application is so easy. Moreover, as the product is produced with use of completely natural substances, it does not give any harm to human and nature balance in terms of toxicological ways during and after application and this situation increases the applicability of the product. The system, which is a 21st century technology, we will present below demonstrated its indisputable superiority in various tests and applications and surpassed all known systems within this field.

**AREAS OF USE: 1-PAINTS: A) WATER-BASED PAINTS:** In the processes the ISONEM ANTI-FIRE SOLUTION is used instead of the water used in the production or %70 of the used water is in water form as viscosity in water-based paints, it provides the surfaces the water-based paints are applied with resistance to fire and flame. As the production process of every company may differ from each other, whether the companies will receive the best performance from the product will be clear by miscellaneous studies the companies will conduct in their own R&Ds. The water-based paint produced in this way, will especially provide the wood materials with resistance against fire and flame. **B) EPOXY PAINTS: (ISONEM ANTI-FIRE POWDER)** By addition of ANTI-FIRE POWDER product, which is in fine dust structure, by % + 20 / 50 to the primary material of the EPOXY PAINT AND RESINS, which are produced using miscellaneous SOLVENTS due to the system in their general production, without hardener supplements, it shows its anti-fire feature perfectly on both directly in the paint itself and on the applied surfaces despite the SOLVENTS of which combustion rates are high. The product's being in dust structure gives it the advantage to be used as filling material for the studies applied. **C) POLYESTER APPLICATIONS:** It is the product of the latest technology which provides both filling and %100 non-combustibility features in orthophthalic and isophthalic polyester applications. Comparison with other products used in such applications nowadays in terms of non-combustibility is unacceptable. The amount in the application can be determined according to the product structure produced and the results can be obtained in uses %10-50. **D) IN PARTICLEBOARD, MDF AND SCALE BOARD PRODUCTS:** It is a product formulated specially for the companies producing particle board and MDF. It provides full non-combustibility to the particle boards or MDFs produced after it is added into the urea formaldehyde adhesive and mixed homogenously in the particle board and MDF producing companies. Although it increases the viscosity of the urea formaldehyde just a little, it does not obstruct the absorption function of the glue absorbing mechanisms of the system. Moreover, it is thought that the product decreases the toxicological structure of the urea formaldehyde used in the system providing it does not obstruct its adhesion function and the documentations have been commenced concerning this subject after the relevant tests were conducted. The product is inorganic. It does not contain any toxicological structure within its structure in both production and final use.

**HOW TO USE: 1)** Add dust product in the half amount of the glue used (15-25 kg. for 100 kg glue) in the mixing chamber of the urea formaldehyde glue. **2)** Mix the product until it becomes homogenous with the glue (For normal process, there is no mixing in the mixed time. No additional time is necessary for the product to be homogenous). **3)** Add the depleted Ammonium Chloride or Ammonium sulfate hardener used to the mixture and complete the mixing. **4)** Finalize the proceeding by giving this prepared mixture to the system.

**NOTE:** According to the test method used by the producing companies in the laboratory conditions, the gel time is 57-60 sec. (SFC)

**PACKAGE:** 1kg, 5 kg plastic packages



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