



ECO FIREPROOF INTUMESCENT FIREPROOF COATING

Build Greener • Build Better

PRODUCT DESCRIPTION

ECO FireProof is a two component, 100% solids intumescent fireproof coating. **ECO FireProof** is a heat resistant and heat insulating material that will not smoke or burn when exposed to 2000°F flame temperatures. **ECO FireProof** exhibits thermo-ceramic behavior, yielding 95% heat reflection maintaining a high emissivity factor, keeping heat conductivity minimized. Its non-smoke, non-burn characteristics make it a valuable product for diverse fire protection applications.

KEY ADVANTAGES

- + Superior Fireproof Protection
- + Excellent Chemical Resistance
- + Excellent Adhesion to a Wide Range of Surfaces
- + Rapid Cure
- + Application Temperature: from 20°F to 150°F
- + Working Time at 75°F - 25 minutes
- + Wide Service Temperature Ranges from -40°F to 250°F.
- + 100% Solids
- + Low Odor, No VOCs - indoor applications with minimal disturbance
- + Not Regulated per USDOT Shipping Regulations - Class 55
- + Available in Spray or Rollable Versions
- + Low Maintenance
- + LEED Compliant

PRIMARY APPLICATIONS

- + Fireproofing Applications
- + Fire Protection of Structural Steel
- + Fire Defense Applications
- + Deployable Fire Barrier Systems
- + Fireproofing Permanent and Emergency Mobile Installations
- + Specialty Shielding Systems for Schools and Apartments

PACKAGING

Dual Cartridges
5 Gallon Pails
50 Gallon Drums

COVERAGE

100 sq ft per gallon at 16 mils coating thickness.

Ecolink Products Group, Inc.

1-855-ECOLINK (326-5465) Toll Free
www.ecolinkgroup.com



MEMBER OF

**INTERNATIONAL
CONCRETE REPAIR
INSTITUTE**





PHYSICAL PROPERTIES

PROPERTY	STANDARD	ECO FIREPROOF
Fire Rating	ASTM E119	passed- 1000 °F
Flex Modulus	ASTM D790	>*100-500k psi
Tensile Strength	ASTM D412	*1000-2500 psi
Hardness	ASTM D785	Shore D: *40-70
Abrasion -TaberCS18	ASTM D4060	75 mg/1k cycles
Tear Strength	ASTM D624	*250-400 lbs/in

* Values Relative to Material Flex Grade (MFG)

Adhesion Results of Typical Substrates per ASTM D-4541 Elcometer

SURFACE	RESULT	DESCRIPTION
Concrete- Primed	>300 psi	Cohesive failure, excellent bonding
Steel- Primed	>1,000 psi	Cohesive failure, excellent bonding
Wood- Primed	>250 psi	Cohesive failure, excellent bonding

APPLICATION GUIDELINES

Surface Preparation

Preparation of substrate surface prior to the application is extremely important as durability is only as good as the weakest link in the coating system. Concrete must be fully cured and should be prepared with a sandblasting, diamond grinding or machine sanding depending on the severity of the concrete surface condition. Similar proper preparation must be performed for metals. Primers also require this proper preparation. Always power clean using mild detergent prior to sanding or mechanical abrading.

Use **ECO Mineral** for patching concrete. For expansion joints, use **ECO Weld Rapid Set Polyurea Joint Sealer**. It is recommended that a test of a small section of the application area prior to covering the entire area.

Apply **ECO FireProof** with plural component high pressure spray equipment.

REPAIRS AND MAINTENANCE

Lightly sand the damaged area to create a roughened surface. Clean all loose material, dirt, dust and debris from damaged area. Spray or roll on a thin coating of **ECO Fireproof**.

STORAGE, SHIPPING & HANDLING

Store product in a dry location in factory sealed containers at 60 to 90°F. Product shelf life is minimum 12 months in factory-sealed containers. **ECO FireProof** is Class 55, not regulated by USDOT shipping regulations.

SAFETY

Refer to Material Safety Data Sheets.

DISCLAIMER

The technical data and any other printed information furnished by Ecolink Products Group, Inc. is true and accurate to the best of our knowledge. This product conforms to Ecolink's in-house quality control procedures and should be considered free of defects. Due to the wide range of applications of this product, it is impossible to assume responsibility for any errors in regard to application, coverage, workmanship, over-spray or injuries resulting from the use of this product. Ecolink Products Group, Inc. makes no warranty, expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.