



## ECHO ACRYLIC FIRE RETARDANT PAINT

### • DESCRIPTION & FIELD OF APPLICATION

Echo acrylic fire retardant paint is a durable premium quality water based coating, with special properties to protect against spread of fire, designed for use on all interior and exterior surfaces, where maximum durability coupled with fire resistancy is required.

Recommended for use on Schools, Colleges, Nursing Homes, Child Care Centers, Hospitals, Penal Institutions, Apartments, Hotels, Factories, Warehouses, Retail Stores, Restaurants, to give reliable fire protection, lower maintenance requirements and improved long-term performance.

### • MAIN FEATURES

- Flame Retardant
- For use over Multi-Layered Paint Systems
- Ready for use and easy to apply
- Hinders flame propagation on the surface and combustion of materials.
- Will not lose its flame-retardant properties when washed or when exposed to humid conditions or heat
- color stability
- Non-toxic, low odor
- resistance to detergent solutions, alkalis & weather effects.
- durable finish
- Environmentally friendly
- Excellent block resistance
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### • ECHNICAL SPECIFICATIONS

- |                         |   |
|-------------------------|---|
| - Resin Type            | - Acrylic Emulsion Paint  |
| - Solids by Volume      | - 37%   |
| - Solids by Weight      | - 52%   |
| - Density               | - 1.29 Kg/L   |
| - Practical Coverage    | - 12 - 13 M <sup>2</sup> /Ltr (Actual coverage will vary depending on substrate & application method) |
| - Flammability          | - Non Flammable   |
| - Flash Point           | - N/A   |
| - Color                 | - White, unlimited color  |
| - Wet Film Thickness    | - 0.1 mm  |
| - Dry Film Thickness    | - 0.04 mm   |
| - Thinning and clean up | - Water   |

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- Drying Time @ 25°C

- Touch dry: 2 hours

To recoat: 4 - 6 hours

Before cleaning: 10 days

(Drying & recoat times are dependent on temperature, humidity, ventilation and film thickness)

## • SURFACE PREPARATION

### **New surfaces:**

1. All surfaces must be clean, and dry; free from dirt, chalk, grease, wax, rust, and loose or peeling paint before painting.
2. Remove all loose and peeling paint and sand to smooth edges.
3. Repair holes and cracks with a suitable filler for surface repair.
4. Sand all surfaces smooth and lightly sand glossy areas.
5. Vacuum sanding residue.

**Previously Painted Surfaces:** spot prime repairs or any bare areas or entire surface where necessary.

**New concrete, masonry or plaster:** must cure for at least 30 days and be thoroughly dry before painting.

**Bare Wood:** sand smooth.

## • APPLICATION

- Ready-to-use product, do not thin.
- Mix thoroughly before use.
- Apply using brushes, rollers, or spray equipment.
- Apply only when air and surface temperatures are above 10°C

## • INSTRUCTIONS FOR APPLICATION

### - **Spray (Airless equipment)**

Type of thinner	: Clean water
Percentage of thinning	: 20 - 25% max. By volume
Nozzle orifice	: 0.013 to 0.019 mm
Pressure	: 2300 – 2700 psi

### - **Brush / Roller**

Type of thinner	: Clean Water
Percentage of thinning	: 10 - 15% max. by volume



- **COLORS**

- White, unlimited color

- **PACKING**

- 19-liter Pail - 1 US gallon

- **STORAGE**

- The product must be kept in cool well-ventilated place, protected from sunlight and heat.
- Containers must be kept tightly closed after partial usage.
- Storage life: up to 5 years from date of production, if stored as suggested.

- **REMARKS**

- Stir well before use.
- Avoid application below 5° C or over 85% relative humidity.
- Ensure good ventilation during application and drying.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- After contact with skin, wash immediately with plenty of soap and water or a recognized skin cleaner.
- After using, clean the application tools immediately with water.
- Keep out of children's reach.
- For more information, please do not hesitate to contact our Technical Department.