

FIRETARD

Flame Inhibiting Paint

Water borne (Intumescent)

Product Data/ Application Instructions

- **Thin film water borne intumescent for easy application on-site**
- **Low Smoke development Index**
- **Tested as per British Standard 476 Part 7**
- **Tested as per ASTM E84**
- **Environmentally friendly with low VOC**
- **Chlorine free**
- **for interior and exterior use**

Description

Firetard paint is a water based acrylic intumescent paint. It is formulated to prevent flame spread on wooden and other surfaces. A decorative and protective in itself. The product is also used as a base on bare or previously painted combustible surfaces, prior to decoration with OAL's emulsion and alkyd paint systems.

Today more than even before, any form of insurance against fire, any safety precautions which a property builder, owner or controller can take are welcomed. With new structures the building regulations 1976, part E define everything concerned with safety in fire from structural precautions to means of escape. Included are spread of flame requirements for specific areas.

Combustible substrates, with any surface treatment applied frequently require a Class 1 spread of flame rating B.S. 476 Part 7 & Class A of ASTM E84 Firetard flame Inhibiting paint was designed to meet this need and is a sensible precaution on combustible building surfaces whether or not the building regulations are involved.

Application data summary

For complete information on procedures, equipment and safety precautions, see the application instruction as accompanying shipment. Like all paints and coatings Firetard Flame Inhibiting Paint must be applied as recommend to obtain the maximum performance.

Physical Data

Volume Solids.....	48.00% (ASTM D 2697)*
Substrate	Wood, Gypsum Board, Hardboard, Concrete
Dry Film Thickness	75 microns dry (in one or two coats)
Theoretical Spreading Rate @ 75 microns D.F.T.....	6.4 m ² /Lt
Colour	Off White
Thinner/Cleaner.....	Sweet Water
Flash Point.....	Non-Flammable
Packing	USG / 16 Ltr
Shelf Life.....	12 months
Storage Temperature	5°C upto 40 C

Notes :

1. Allow for application losses. ie. Ambient conditions, Surface irregularity, porosity and applicaiton mehtod.
2. Firetard should be applied to 75 microns D.F.T. (6.4m²/Lt) in order to meet the intumescent properties called for in BS 476 PART 7 & ASTM E84

* Volume solids is measured in accordance with ASTM-D-2697. Slight variations may occur due to colour and testing variances.

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Surface Preparation

Clean and degrease. Remove all surface contamination. Dedust. If a surface is mould infected, it should first be treated with Fungicidal Wash.

Properties

When fire attacks Firetard, intumescence takes place. The paint film swells up to form a carbonaceous layer of rigid foam with good heat insulation. This retards the spread of flame, giving time in the critical initial stages for rescue work and firefighting. It has very low smoke development Index

New combustible substrates

Firetard has been formulated to B.S. 476: 1971 Part 7 (Surface spread of flame) & ASTM E84 on the following systems applied to softwood. The performance qualifies in every case for a class 1 rating & Class A.

2 Coats Firetard Flame Inhibiting Paint
- T.D.F.T. 75 microns
1 Coat OA 4422 Permalkyd Undercoat
1 Coat OA 7630 Permalux Gloss Enamel

2 Coats Firetard Flame Inhibiting Paint
- T.D.F.T. 75 microns
2 Coats OA 7855 Permalux Semi Gloss

2 Coats Firetard Flame Inhibiting Paint
- T.D.F.T. 75 microns
2 Coats OA 6850 High Opacity Vinyl Acrylic Emulsion
Or similar. Consult OAL technical department for specific recommendation.

Application Equipment

AIRLESS SPRAY - Standard airless spray equipment
Dilute with water only as required to achieve an even spray pattern.

CONVENTIONAL SPRAY – Standard Industrial equipment. Separate air and fluid pressure regulators. Mechanical pot agitator and a moisture and oil trap in the main air supply line are recommended. Dilute with water only as required to achieve an even pattern

ROLLER - Soft & Smooth roller is recommended.

BRUSH - For hard to reach areas, corner & edges.

MIXING - We recommend use power mixer powered by an air motor or an explosion proof electric motor.

Application Data

Substrates..... Wood, Gypsum Board, Hardboard, Concrete

Application methods Brush, Roller, airless or
conventional spray

NOTE: . Allow for application losses. ie. conditions, surface irregularity, surface porosity and application method. Prior to recoating ensure the surface is clean. Maximum recoating time intervals are dependent on temperature, degree of weathering and service conditions of the complete coating system. Consult your OAL representative for specific recommendations.

Thinners..... Sweet water

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Application Procedure

Firetard Flame Inhibiting Paint is a one component product and packaged in USG or 16 litres.

1. Mix material thoroughly.
2. Firetard Flame Retardant Paint should not be thinned, except for spray application when up to 15% of clean water by volume may be added for airless spray, and up to 10% for air assisted spray.
3. Firetard should be applied to 75 microns D.F.T. (6.4m²/Lt) in order to meet the intumescent properties called for in BS 476 PART 7 class 1 & ASTM E84 class A
4. Apply liberally by brush, roller or spray to dry, sound, clean and properly prepared surfaces.
5. Ventilation with air is required during application and drying.
6. Flush out equipment thoroughly immediately after use.

Safety Instructions

1. Ventilate work area.
2. Check to ensure that fire or explosion risks are eliminated.
3. Cover all cuts or wounds.
4. Avoid inhaling or ingesting product. (Use mask and goggles for all spray applications).
5. Cover skin as much as possible.
6. Wash hands regularly. Use suitable soft soap.
7. Protect eyes. If product gets into eyes wash out with water until clear. Seek medical assistance.
8. In the event of accidental ingestion seek immediate medical assistance.
9. Take extra care when using airless spray equipment to avoid accidental injury.
10. Remove from skin with soap and water slashes to be washed from eyes with following water.

Shipping Data

Packagingin USG or 16 Litres .

Storage out of sun light.

Storage temperature 5°C up to 40°C.

Shelf life 1 year from shipment date when stored indoors in unopened, original containers at 5 to 40°C.

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Safety

Since improper use and handling can be hazardous to health and cause of fire or explosion, safety precautions included with Product Data/Application Instruction and Material Safety Data Sheet must be observed during all storage, handling, use and drying periods.

Warranty

OAL warrants its products to be free from defects in material and workmanship. OAL's sole obligations and Buyer's exclusive remedy in connection with the products shall be limited, at OAL's option, to either replacement of products not conforming this warranty or credit to Buyer's account in the invoiced amount of the non-conforming products. Any claim under this warranty must be made by Buyer to OAL in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify OAL of such non-conformance as required herein shall bar Buyer from recovery under this

warranty.

OAL makes no other warranties concerning the product. No other warranties, whether express, implied or statutory, such as warranties of merchantability or fitness particular purpose, shall apply. In no event shall OAL be liable for consequential or incidental damages.

Any recommendations or suggestion relating to the use of the products made by OAL, whether in its technical literature, or response to specific enquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyer's having requisite skill and know-how in the industry, and therefore it is Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Limitation of Liability

OAL's liability on any claim of any kind, including claims based upon OAL's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. In no event shall OAL be liable for consequential or incidental damages.

Due to OAL's policy of continuous product improvement, the information contained in this Product Data/Application Instructions sheet is subject to change without notice. It is the Buyer's responsibility to check that this issue is current prior to using the product. For the most up-to-date Product Data/Application Instructions always refer to the OAL Protective & Marine Coatings website at www.oasisameron.com

To avoid any confusion that may arise through translation into other languages, the English version of the Product Data/Application Instructions will be the governing literature and must be referred to in case of deviations with product literature in other languages.

Condition of Sale

All our transactions are subject to our Terms and Conditions of Sale.

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