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FIRE-SHIELD SEALER FS 020

FIRE-SHIELD SEALER , FS020, IS A CLASS``A`` INTERIOR , WATER BASE, FIRE RETARDANT PAINT, MANUFACTURED TO MEET ASTM-E84.OFFICIAL TESTING , DONE AT 155 FT.SQUARES/GALLON TO ACHIEVE A CLASS ``A`` RATING.
THIS PRODUCT CAN BE APPLIED OVER DIFFERENT UNCOATED WOODS WITH EXCELLENT ADHESION AND FLAME PROTECTION AFTER CURING.FOR THIS IT WILL BE NECESSARY TO BLEND 6 PARTS FS020 WITH ONE PART FS020B.
ZERO VOCS—CONTAINS NO PETROLEUM DERIVATES
UPON EXPOSURE TO HEAT AND FLAME, A CHAR FORMS ON THE SURFACE OF THE WOOD WHICH ACTS AS A FIRE, HEAT, AND SMOKE BARRIER.
IT IS DESTINATED TO ALL UNCOATED WOODEN OR WOOD DERIVATIVE SUBSTRATES USED WHERE FIRE RETARDANCY AND FLAME SPREADING ARE AN ISSUE. FS020 IS NOT PERMANENT TO THE WOOD SUBSTRATE SO FOR IMPROVE THE CHEMICAL AND PHYSICAL PROPERTIES IT IS REQUIRED THE TOP COAT FS021-20. THE WHOLE SYSTEM IT'S CLASSIFIED CLASS A , ASTM-84.
THIS PRODUCT IS RECOMMENDED FOR INTERIOR USE ONLY.

Finishing Procedures

1) The uncoated wood having uneven or excess porosity should be sanded with 150-180grit paper.

2) Apply a wet layer of 6-8 mils of the Water base Fire Shield Sealer FS020. Let it dry 24 hours before sanding with a 220grit paper..

3) The substrate should be thoroughly dried before the application of the Fire Shield FS021-20.

4) The wet film thickness required of FS021-20 should be between 4 to 5 mils.

5) Type of cure:
After blending 6parts FS020 with 1 part FS020B , the mix can be stirred or blended for 3-5 minutes at slow speed avoiding air entrapment.

6) Always use fresh material and catalyse using FS020B

8) Apply FS020 on surfaces free of contamination.
Application of FS020 cured can be accomplished with brush, roller or spray. For cleanup use soap and warm water wash.
Once activated the coating has a working time of about 1.5 hours at 75°F

10) Flash off: 30 min. To 1 hr. Under good ventilation

11) Drying: at 70-75°F & 50% relative humidity.
Touch free 2-4 hours.
Handle: 6-8 hours.
Through dry 24 hours

Technical Data: **FIRE-SHIELD SEALER** **FS 020**

Appeareance	Slightly cloudy to milky
Weight per Gallon	12.74 Lbs. per gal Imp. @ 25°C
Gloss/Sheen	N/A
Weight Solids	53 ± 1 %
Shelf-life	12 Months..... Unopened original container
	Keep away from freezing
V.O.C.	0 Lbs./Gal. U.S.
pH	2-3
Cold check resistance	20 cycles at 3 mils dry, -20°C + 140°F.
Catalyzation	6:1 with FS020B
Reduction	Not necessary
Working temperature	15-22°C / 65-75°F for 50%.R.H. *Avoid extreme.*
Stackable	24 hr
Maximum film at application	6-8 mils wet
Pot life	Max 2 hr

Method of application

Abnormal temperature and humidity conditions will have a negative impact on the final result. The customer should take the necessary precautions to avoid this.

Conventional spray:

Spray gun HVLP
Fluid tip: Fine finish
Air pressure: 45-50 PSIG
Air Flow: 30-35 SCFM

Air assisted airless

Nozzle size.009 or .013 inches
fluid pressure 30-60 P.S.I.

NOTE: AVOID WATER CONTAMINATION

NOTE: The information, rating & opinion stated above pertain to a material currently offered and represent the result of laboratory evaluation. The customer's application and other requirements are unknown, or are not under our control, the company cannot make any warranties or guarantees as to results.

DISCLAIMER: Neither Duro-Lak Inc. nor its marketing agents shall be responsible for the use of this information, or of any product, method or apparatus mentioned. You must have your own determination of product suitability and thoroughly qualify it for serviceability, for environmental acceptability, and for impact on the health and safety of your employees and purchases of your products. Duro-Lak's only obligation shall be to replace such quantity of the product which is proven to have been defective. No person is authorized to make any statement or recommendation not contained herein, and any such statement or recommendation so made shall not bind Duro-Lak Inc. **Keep in mind that: You're the only person able to determine if the suggested product is suitable for the intended applications .**