

POST CAT FIRE-SHIELD

FS 021 line

FIRE-SHIELD IS A FIRE RETARDANT CONVERSION VARNISH, NON OXIDIZING, NON YELLOWING, AS A RESULT OF ITS HIGH BUILD UP FIRE-SHIELD GIVES A GOOD DEPTH EFFECT AND WEALTH OF FINISH, IN ADDITION TO AN EXCELLENT COLOUR RETENTION. THE OPTIMUM HARDNESS IS ACQUIRED VERY FASTLY IN COMPARISON TO EQUIVALENT PRODUCTS IN THE MARKET. AND IT GIVES AN OUTSTANDING CHEMICAL RESISTANCE TO HOUSEHOLDS, THUS IT MEETS ALL THE KCMA STANDARDS REQUIREMENTS. THIS PRODUCT IS ENVIRONMENTAL COMPLIANT: NO ISOCYANATES, ULTRA LOW FORMALDEHYDE EMISSION. IT IS DESTINATED TO ALL WOODEN OR WOOD DERIVATIVE SUBSTRATES USED WHERE FIRE RETARDANCY AND FLAME SPREADING ARE AN ISSUE. FS021-20 IS FORMULATED TO MEET THE FIRE RETARDANT COATINGS REQUIREMENTS OF THE AMERICAN SOCIETY FOR THE TESTING AND MATERIALS "ASTM E-84 CLASS A" WHEN APPLIED ON FIRE SHIELD SEALER FS020.

THIS PRODUCT IS RECOMMENDED FOR INTERIOR USE ONLY.
MEET ASTM E-84 CLASS A WHEN APPLIED ON FS020 FIRE SHIELD SEALER

Finishing Procedures

- 1) The substrate should be sanded using 150-180 grit paper
- 2) Apply a wet layer of 6-8 mils of the Water base Fire Shield Sealer FS020. Let it dry 24 hours before applying FS021 line.
- 3) The substrate should be thoroughly dried before the application of the Fire Shield FS021 line.
- 4) The wet film thickness required of FS021 line should be between 4 to 5 mils.
- 5) Catalyze under a good mixing. Let catalyst sweat in for 15 min. before applying.
keep under constant agitation, during the finishing process.

- 6) Always use fresh material and catalyze using FS021B 10% Vol.
- 8) Apply FS021 line on surfaces free of contamination.
Apply with :
 - HVLP
 - Conventional
 - Air less
 - Air assisted*(use fine finish nozzle with good atomization.)*
- 10) Flash off: 30 min. To 1 hr. Under good ventilation
- 11) Drying: at 70-75°F & 50% relative humidity.
 - Touch free 15-20 minutes.
 - Handle: 45-60 minutes.
 - Through dry 10-12 hours
 - Oven 120-140° F surface temperature 1Hr.

Technical Data: POST-CAT FIRE-SHIELD

FS021 line

Viscosity as supplied.....	27-29 Sec.....	Ford #4 @25°C
Weight per Gallon.....	10.07 Lbs. per gal Imp. @ 25°C	
Gloss/Sheen.....	FS021-10 (10°), FS021-20 (20°), FS021-35 (35°), FS021-50 (50°) FS021-90 (H/G)	
Weight Solids.....	53 ± 1 %	
Shelf-life.....	12 Months.....	Unopened original container <i>Keep dry and avoid direct sunlight.</i>
V.O.C.....	4.02 Lbs./Gal. U.S.	
Color.....	Translucent	
Cold check resistance.....	20 cycles at 3 mils dry, -40°F + 140°F.	
Catalyzation.....	10% with FS021B	
Reduction.....	FSR189 10% if necessary	
Working temperature.....	15-22°C / 65-75°F for 50%.R.H.	<i>Avoid extreme.</i>
Application viscosity.....	20 ± 2 sec on Ford #4 at 20°C.	
Stackable.....	24 hr	
Maximum film at application.....	6 mils wet	
Pot life.....	8 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.

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