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POST CAT FIRE-SHELL SATIN FS 007-20

FIRE-SHELL IS A FIRE RETARDANT SELF SEAL CONVERSION VARNISH, NON OXIDIZING, NON YELLOWING , AS A RESULT OF A ITS HIGH BUILD UP FIRE-SHELL GIVES A GOOD DEPTH EFFECT AND WEALTH OF FINISH, IN ADDITION TO AN EXCELLENT COLOUR RESTITUTION. THE OPTIMUM HARDNESS IS ACQUIRED VERY FASTLY IN COMPARISON TO EQUIVALENT PRODUCTS IN THE MARKET. AND IT GIVES AN OUT STANDING CHEMICAL RESISTANCE TO HOUSE HOLDS , 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. FS007-20 IS FORMULATED TO MEET ALL THE "CLASS B" FIRE RETARDANT COATINGS REQUIREMENTS OF THE AMERICAN SOCIETY FOR THE TESTING AND MATERIALS (ASTM) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS.

THIS PRODUCT IS RECOMMENDED FOR INTERIOR USE ONLY.
ASTM E-84 CLASS B

Finishing Procedures

1) The substrate should be sanded using 150-180 grit paper

2) Apply a wet layer of the Organic Flame Treatment FST006. Let it dry 24 hours before applying FS007-20.

3) The substrate should be thoroughly dried before the application of the subsequent layers of the Fire Shell FS007-20.

4) In order to fulfill all the requirements of a Class B coating system , two coats is require of Fire Shell
5) FS00-20 catalyzed , should be applied.
The wet film thickness required should be between 5 to 6 mils.

5) Sand in between using 320-400 grit paper. After 2 hours at least

5) Fully cure each coating layer, before applying the subsequent one.

6) Catalyze under a good mixing. Let catalyst sweat in for 15 min. before applying.
keep under constant agitation, during the finishing process.

7) Always use fresh material and catalyse using FS180 10% Vol.

8) Apply FS007-20 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.

12) Each varnish surface to be coated within 8 hours from sanding .

Technical Data: **POST-CAT FIRE-SHELL SATIN** **FS007-20**

Viscosity as supplied	27-29 Sec..... Ford #4 @25°C
Weight per Gallon	10.07 Lbs. per gal Imp. @ 25°C
Gloss/Sheen	20°
Weight Solids	53 ± 1 %
Shelf-life	12 Months..... Unopened original container
	Keep dry and avoid direct sunlight.
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 FS180
Reduction	FSR189 10% if necessary
Working temperature	15-22°C / 65-75°F for 50%.R.H. *Avoid extreme.*
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
ASTM-E 84 Classification	**CLASS B**

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 .**