

# Product Data Sheet

## CAP830 (Top Coat for CAP800-830 System)

### DESCRIPTION

CAP830 is a solvent based two-component, clear topcoat used as part of the CAP800-830 intumescent clear coating system.

### SYSTEM FEATURES AND RECOMMENDED USES

- Fast drying
- Satin finish
- Suitable for bare and stained wood
- Two day application process from sealer to top coat (subject to ambient atmospheric conditions)
- Very good mechanical resistance
- Easy to clean
- Certified and Listed to ASTM E84 Extended Class A, smoke 30, flame spread 5 on bare plywood
- Passed ASTM E84-10 Class A, smoke 50, flame spread 20 on stained plywood
- UV resistant
- Designed for use on interior wood substrates where ASTM E84 Class A is specified

**Notwithstanding the above, ensure the CAP800-830 system is approved by appropriate code officials for its intended use.**

### PHYSICAL DATA (@75°F)

Volume Solids:	68% when mixed
Mixing Ratio:	Component A, 100 parts Component B, 5 parts
Pot Life:	6 hours when mixed
Shelf Life:	6 months each component unmixed
Color :	Clear
Gloss Gradation:	Semi gloss at 60° angle
Flash Point:	81°F
VOC:	318 g/l when mixed

### DRYING TIME GUIDE

**A constant air flow, warm ambient temperatures and low relative humidity will reduce actual time.**

Temperature	50-70°F	70-85°F	85-95°F
Touch dry	2 hours	1 hour	0.5 hours
Hard dry	4 hours	3 hours	2 hours
Curing	20 days	20 days	20 days

### SURFACE PREPARATION

All surfaces must be clean, dry (below 15% moisture), and free of dust, grease or other contaminants. Smooth surfaces are best for application of the coating system. Ensure that the CAP800A/CAP800B intumescent basecoat has been applied to the correct thickness, and is dry enough for application of the CAP830

### MIXING PROCEDURE

Mix CAP830A with CAP830B as supplied in the ratio of CAP830A: 100 parts to CAP830B: 5 parts. Hand mix only for 2-3 minutes until fully combined, stand for 5 minutes and briefly stir well again before application. **DO NOT THIN.**

### APPLICATION CONDITIONS

Protect from freezing. Do not apply when temperature is below 50°F or above 95°F. Ventilate the area during and following application.

### APPLICATION METHOD

Application by roller or spray by manufacturer approved applicators only.

**Warning:** Do not apply MORE than the recommended thickness. The CAP830 is a hard wearing top coat especially formulated for use over CAP800A/CAP800B intumescent, and is to be applied in accordance with the recommended wet film thickness in a single coat.

**Spray:** use airless pump, dedicated hose (3/8" with 1/4" whip) and 11 to 13 thou tip to achieve required wet film build in cross hatch application process, avoiding runs, sags and inadequate film build. Check regularly that the required application thickness has been consistently achieved by use of WFT comb.

**Roller:** use a new, product dedicated solvent resistant foam sleeve with a 1/4" nap or less for best results.

### CLEAN UP

Clean application equipment immediately upon completion of project using Xylene or MEK thinners or similar. Allow solids to settle out of used/waste solvent and re-use. Use kitty-litter or similar absorbent material to absorb waste material and dispose of in accordance with local authority regulations. DO NOT allow product or cleaning fluid to enter storm water, sewers or natural waterways. Refer to Safety Data Sheets in case of spills.

### PACK SIZE

Available in two kit options: 380 sq ft or 1500 sq ft. Kits include CAP100 sealer and CAP800 base coat. Based on theoretical coverage excluding waste & other factors that may affect coverage per gallon.

### STORAGE

Keep in a cool frost free place. Keep from freezing.

### HEALTH AND SAFETY

The Safety Data Sheet of the product should be thoroughly studied and kept on site at all times. All precautionary statements should be strictly followed. Users to employ standard precaution measures to avoid inhalation of vapor and to prevent skin and eye contact with wet coating or spray mist. Everyone in the vicinity must employ similar safety precautions and to fully protect all foodstuffs as odors can penetrate packaging into food and drink products. Ensure work space is well ventilated

Use the following protective safety equipment:

- Protective clothing – full disposable suit including mask and goggles
- Breathing equipment – use approved respirator for all products
- Solvent resistant disposable gloves
- Safety glasses or safety goggles
- Suitable footwear

