

# Product Data Sheet

## CAP800A-CAP800B (Intumescent Basecoat for CAP800-830 System)

### DESCRIPTION

A clear intumescent basecoat made by mixing CAP800A and CAP800B immediately prior to application, which is used as part of the CAP800-830 clear coating system. This data sheet relates to the two components CAP800A, and CAP800B once they have been mixed. The two components must be mixed correctly for the product to catalyze and perform as intended by the manufacturer.

### SYSTEM FEATURES AND RECOMMENDED USES

- Water soluble low VOC sealer and intumescent basecoat
- 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 the appropriate code officials for its intended use.

### PHYSICAL DATA (@75°F)

Volume Solids:	54% when mixed
Mixing Ratio:	Component A, 1.0: Component B, 1.1
Pot Life:	12 hours when mixed
Shelf Life:	6 months each component un-mixed
Color:	Clear
Gloss Gradation:	Semi gloss at 60° angle
Flash Point:	N/A
VOC:	No greater than 50 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 time	4 hours	2-3 hours	1-2 hours
Hard dry time	8 hours	6 hours	4-6 hours
Next coat (minimum)	12 hours	12 hours	12 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 CAP100 sealer has been applied, is dry and has been lightly sanded.

### MIXING PROCEDURE

Add CAP800A to CAP800B as supplied in the ratio of CAP800A 1.0 : CAP800B 1.1. Mix thoroughly by hand, using a clean stir stick in a clean container of suitable size, and allow to stand for 20 minutes. The product will warm up when first mixed.

Always mix again for a further 1-2 minutes immediately prior to use. Do not add water or thin the product.

### APPLICATION CONDITIONS

Protect from freezing. Do not apply when temperature is below 50°F or above 95°F, or **relative humidity is above 75%**. Ventilate the area during and following application.

### APPLICATION METHOD

Application by brush, roller or spray by approved applicators only. It is essential that the minimum DFT thickness has been achieved. For best results and easiest application, apply the product once heated to 100° F. max. Lightly sand between coats using 220 grit or finer sandpaper.

**Spray:** use manufacturer approved spray equipment with dedicated hose to achieve required wet film thickness in cross hatch application process, avoiding runs, sags and inadequate film build. Check regularly that the minimum application thickness has been 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. Heating the mixed product up to but not exceeding 100° F will help to ensure a constant viscosity and improved control over WFT in variable ambient conditions.

**Brush:** a good quality new or product dedicated brush can be used for coating edges and touching up.

### CLEAN UP

Thoroughly flush all spray equipment immediately upon completion with copious quantities of fresh clean water to clean. Do not allow waste water to enter storm water drains or any natural waterways. All hoses, brushes and rollers may be cleaned in warm soapy water and allowed to dry.

### PACK SIZE

Available in two kit options: 380 sq ft or 1500 sq ft. Kits include CAP100 sealer and CAP830 top 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 & goggles
- Breathing equipment – use approved respirator for all products
- Solvent resistant disposable gloves
- Safety glasses or safety goggles
- Suitable footwear

