

# Product Data Sheet

## CAP827 (Top Coat for CAP800-827 System)

### DESCRIPTION

CAP827 is a water based, clear acrylic topcoat used as part of the CAP800-827 intumescent clear coating system.

### SYSTEM FEATURES AND RECOMMENDED USES

- Water soluble system
- Satin finish
- Can be used over bare and stained wood
- Fast drying - Two day application process from sealer to top coat (subject to ambient atmospheric conditions)
- Low VOCs
- Low odor
- Easy to clean
- UV resistant
- Designed for use on interior wood substrates where ASTM E84 Class A is specified

**Notwithstanding the above, ensure the CAP800-827 system is approved by appropriate code officials for its intended use**

### PHYSICAL DATA (@75°F)

Volume Solids:	29%
Shelf Life:	12 months
Color :	Clear
Gloss Gradation:	Satin
Flash Point:	Greater than 212°F
VOC:	20 grams / litre

### DRYING TIME GUIDE

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

Temperature	50-70°F	70-85°F	85-95°F
<b>Touch dry</b>	1-2 hours	1 hour	30 min
<b>Hard dry</b>	3-4 hours	2-3 hours	1 hour
<b>Curing</b>	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 CAP800 intumescent basecoat has been applied to the correct thickness, has been lightly sanded, and is dry enough for application of the CAP827.

### APPLICATION CONDITIONS

Protect from freezing. Do not apply when temperature of paint or surface is below 50°F or above 95°F, **or relative humidity is above 90%**. Ventilate the area during and following application.

### APPLICATION METHOD

Mix well before use. Pour contents into a pail and hand or power mix for 5 minutes. Apply a small amount to a sample board prior to full application and check that opacity and drying times are acceptable. DO NOT thin CAP827.

Application by brush, roller or airless spray by manufacturer approved applicators only.

**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. Textured substrates will require additional product to ensure all exposed surfaces are coated. Narrow substrate widths and textured substrates will use more product than smooth and wide panels. Use a narrow fan width and correct tip size to reduce waste.

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

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

### CLEAN UP

Clean or flush all application equipment with water only (warm water for best results) and allow to dry. Dispose of waste water in accordance with local government regulations, and do not allow waste water to flow into storm water drains or natural waterways.

### PACK SIZE

Available in 1 and 5 gallon pails.

### 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. 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

