

Product Data Sheet

CAP800 (Intumescent Basecoat for CAP800-827 System)

DESCRIPTION

CAP800 and CAP800GB additive when mixed, is a two-component, intumescent clear coating basecoat, used as part of the CAP800-827 clear coating system. This data sheet relates to the two components CAP800 and CAP800GB when 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

- Low VOC
- Water soluble sealer and base coat for easy clean up
- Satin finish
- Fast drying
- Non yellowing
- Good mechanical resistance
- Low odor
- Easy to clean
- For use on wood substrates. The full CAP800-827 system comprises two coats of CAP800, and one of the CAP827 top coat. The complete system needs to be applied in accordance with the manufacturer's specified minimum wet film thickness to achieve ASTM E84 Class A, as tested on Radiata Pine plywood by Intertek.

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

PHYSICAL DATA (@75°F)

Volume Solids:	54% when mixed
Pot Life:	24 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	3 hours	2 hours	1 hour
Hard dry	4 hours	4 hours	2-4 hours
Recoating	6 hours	4 hours	2-4 hours
Top coating (minimum)	12 hours	8 hours	6 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. Following the first coat of CAP800 and once it is dry, a light sand is recommended. Use 220 grit or finer sandpaper.

MIXING PROCEDURE

CAP800 and CAP800GB must be combined as supplied.

Mix both products together thoroughly by hand, using a clean stir stick in a clean container of suitable size. 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 85%**. 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.

Spray: use manufacturer approved spray equipment with dedicated hose (3/8" with 1/4" whip) and 11 to 13 thou tip to achieve 100% coverage of the substrate in cross hatch application process, avoiding runs, sags and incomplete coverage. 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 foam sleeve with a 1/4" nap or less for best results.

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 as part of a 1600 sf kit. Kit includes CAP 100 sealer and CAP 827 topcoat. Based on theoretical coverage excluding waste and 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. Provide adequate ventilation.

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

