

Product Data Sheet

CAP100

DESCRIPTION

CAP100 is a water based sealer. It must be applied as the dedicated sealer for both CAP800-827 and CAP800-830 clear coating systems. CAP800-827 and CAP800-830 systems applied to wood have been tested by Intertek and QAI to ASTM E84 on Douglas Fir and Radiata Pine plywood and both systems have achieved a Class A rating.

PRODUCT FEATURES AND RECOMMENDED USES

- Water soluble
- Suitable for bare and stained wood
- Low VOCs
- Very good mechanical resistance
- Easy to apply
- Low odor
- Designed exclusively for use as the sealer for CAP800-827 and CAP800-830 clear coating systems

Notwithstanding the above, ensure the CAP clear coating system is approved by appropriate code officials for its intended use.

PHYSICAL DATA (@75°F)

| | |
|------------------|--------------------|
| Volume Solids: | 35% |
| Shelf Life: | 12 months |
| Color : | Clear |
| Gloss Gradation: | Satin at 60° angle |
| Flash Point: | N/A |
| VOC: | Less than 50 g/l |

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 | 1-2 hours | 30 min | 30 min |
| Hard dry time | 4 hours | 1.5 hours | 45 min |
| Next coat (minimum) | 6-8 hours | 4 hours | 2-4 hours |
| Curing | 20 days | 20 days | 20 days |

Note: Always ensure CAP100 is hard and dry prior to over coating. A minimum of 4 hours between coats is best practice.

SURFACE PREPARATION

All surfaces should be clean, dry (below 15% moisture), and free of dust, grease or other contaminants. Lightly sand the wood to ensure a smooth and consistent substrate is achieved. Rough and textured substrates may need additional preparation.

APPLICATION CONDITIONS

Protect from freezing. Do not apply when temperature 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 2 to 3 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 CAP100

Application by brush, roller or airless spray by approved applicators only. Following application when hard and dry and prior to the application of the intumescent basecoat, lightly sand using 220 grit or similar sandpaper.

Spray: use airless pump, 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 sleeve with a 3/8" 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 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

