

## **EC-200/EC-200 HMW - COLD TEMPERATURE APPLICATION**

Low temperatures can inhibit or halt the cure of EC-200 coatings (and Primer 205, if this system is required prior to the application of EC-200 coatings). The effects of this may be irreversible, even if sufficient heat is applied after exposure to cold temperatures. The guidelines below will help ensure EC-200 products cure properly in these conditions.

- A. All EC-200 components (resin and hardener, and Primer 205, if required) must be stored at temperatures between 70°F and 90°F (21°C and 32°C) for 24 hours prior to application. Store components in an enclosed, warm or heated area if necessary.
- B. At no time shall application occur when the air and/or substrate temperatures are less than 50°F (10°C). Additionally, the air/substrate temperature must never be allowed to fall below this temperature at any time during the 5-day initial curing period (warmer temperatures may shorten this initial cure requirement – see paragraph C below).
- C. Indirect heating of air and substrate surfaces (steel, concrete) will also help compensate for cold temperatures. If sufficient heat is applied during the entire course of the curing period (70°F, for example), the coating may be put into service at the interval stipulated for that particular temperature.
- D. If it is impossible to apply heat due to the location or structure of the application area, it is possible to accelerate the coating with DEA (diethylaniline) as long as the requirements of paragraph B (above) are met. Use up to 2 fluid ounces of DEA per 5-gallon pail. (Note – DMA (dimethylaniline) may be used at up to 1 fluid ounce per pail if DEA is not available.) This can shorten the pot life, so placement of the material should be carried out as soon as possible.
- E. Do NOT compensate for cold weather curing by adding more than the amount of VE Cure (CHP) that is supplied with a unit of resin. In certain circumstances, it may be necessary to use MEKP catalyst in cool conditions (EC-200 (standard grade) and Primer 205 will benefit most in these conditions when MEKP is used). Consult Blome International for additional information.
- F. When used, heating must be applied indirectly. Heated enclosures must be windproof and weatherproof. Heaters must not be placed as to create uneven temperature zones or hot spots. Caution: Exhaust gases of unvented heaters may generate soot, which will contaminate substrates within an enclosed environment.
- G. Consult Blome International data sheets for additional application and curing information.

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