



Warren Paint and Color Co.

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Product Data Sheet

NE 4085 / E 4005

**White Polyamide High Gloss Epoxy
Two Component Epoxy**

High Performance

Excellent Corrosion and Chemical Resistance

Free of Soluble Heavy Metals

Warren's *White Polyamide High Gloss Epoxy* is formulated to provide extreme resistance to corrosion, acids, alkalis, solvents, and other chemicals. It may be used in a marine environment for long term protection of steel and concrete. *White Polyamide High Gloss Epoxy* is available in white and gray with high build, semi-gloss, and special colors available by special order.

Surface Preparation: Remove all dirt, scale, and grease. Sand blast steel to SSPC-SP 6, Commercial Blast, and prime with *P7387 Polyamide Epoxy Primer* for best results. Concrete surfaces may be etched with muriatic acid diluted with water (1:10), rinsed thoroughly, allowed to dry, and neutralized with dilute baking soda, ammonia, or garden lime. Swimming pools should be washed with a detergent solution prior to acid etching to remove oils. *Omit acid etching* if pH of concrete of 7 or above cannot be verified by litmus test or other means.

Mixing and Thinning: Stir or shake well. Mix one part of *NE 4085 White Polyamide High Gloss Epoxy* one part *E 4005 Epoxy Activator*. Mix with power mixer or by hand for five minutes. Thin up to 20% with *T 5932 Epoxy Reducer* to spray. Pot life is four to five hours depending on temperature.

Application: Brush, roll, or spray. Thin as directed for conventional or H.V.L.P. spray. Apply between 50 and 90°F with the relative humidity less than 80%. Do not expose to dew or rain within eight hours after painting. Humidity can exceed 80% and dry times can be shortened if heat (no more than 300°F) is applied soon after application. Full resistance properties are developed within seven days.

Dry Time: One hour to touch. Three hours to handle. Twelve hours hard

Recoat Time: Between 12 and 48 hours. After 48 hours, a light sanding is recommended before recoat.

Appearance: High gloss white film.

Pigmentation: Titanium dioxide and calcium carbonate.

Vehicle: Polyamide epoxy thinned with xylene, secondary butyl alcohol, and MIBK.

% Solids by Weight: 67.5

% Solids by Volume: 53.9

Coverage: 216-432 square feet per gallon at a recommended 2.0-4.0 mils DFT (100% transfer and zero profile).

V.O.C.: 3.21 lb/gal for parts A and B mixed 1:1.

Cured Film Properties: Excellent anticorrosive properties over steel. Very good water resistance within eight hours. Good resistance to solvents and chemicals within seven days. Not designed as an exterior finish coat.

Standard Packaging: Two gallon kit, packaged four gallons per case. Fives and drums are available by special order.