



INSULATED COATINGS

ThermaCoat-400 is a patented two component water-borne, low odor, liquid applied epoxy coating used insulation of surfaces and Equipment between -40F up to 400F. The product combines thermal insulation, chemical resistance, corrosion resistance, moisture resistance, and long-term durability in an easy to apply coating. The product can be applied directly into metal without requiring a primer. The product is insensitive to humid application and will cure and adhere in tropical conditions

Finish: Semi-gloss gray

Mixing: use a ½" electric or air driven mixer with slotted paddle or jiffy mixer blade. Mix part A for a minimum of 5 minutes or until thoroughly mixed. Repeat all steps above for part B. Combine part A and B and repeat the mixing step above for 5 minutes or until thoroughly mixed. After thoroughly mixing the two components and allowing a minimum of 30 minutes induction period, the product may be applied.

Tinting and Thinning: Do not thin or tint THERMACOAT-400

Preparation: All surfaces coated with THERMACOAT-400 must be free of all contamination including curing compounds, oil, grease, paint, and dirt.

Application: Part A and B must be mixed thoroughly and in proper ratios to assure proper curing. The mixed viscosity is suitable for roller coating, brushing or spraying. It should be applied at 150-250 square feet per gallon. Cure time will vary depending on temperature. When applying on equipment, it is recommended that THERMACOAT-400 is applied at operating temperature reducing downtime. THERMACOAT-400 should be applied between 4-10 coats depending on application.

PRECAUTIONS:

Personnel should wear protective clothing and gloves, avoid contact of material with skin or eyes, and avoid breathing vapors. Mix and apply in well-ventilated areas and observe normal safety precautions. **THIS PRODUCT IS FOR PROFESSIONAL USE ONLY**

PRODUCT DATA:

Coverage	150-250 S.F (10 mils)		
No of coats	4-10 (dependent on requirement)		
Dry time (10 mils)	@55F	@80F	@120F
	2 hrs.	1 hr.	20 min.
Re-coat (tack free)	4 hrs.	1 -2hrs	30 min.
Cure time	12 days-10 days		2-4 days
Shelf life	12 months (unopened)		
Storage	Store indoors at 40-100F		
Viscosity (77F)	150-200 cps		
VOC Content	150 gm/l		
Flashpoint	Above 200F		
Cured Film Flexibility	Passes 1/8" Mandrel Bend		
Cured Film Impact	Passes 60 in. lbs. Reverse Impact		

THERMAL INSULATION:

Excellent thermal insulation performance to maximize control of heat loss or gain for both reduction of energy costs and improved worker safety. Internal thermal testing over aluminum surfaces at uncoated temperatures between 375-450F showed an average temperature reduction of 140-165F at 8-coats. Actual results will vary according to application thickness and environmental temperatures

USES:

Steam or chilled pipes, Dyeing Machines, Heat Stacks, Tanks, Heat Exchanger, Boiler, Ovens, Safe-Touch Industrial Application, and other high temperature surfaces.