



# INSULATED COATINGS

**ThermaCoat-300** is a patented single component water-borne, low odor, liquid applied acrylic coating used for insulation of surfaces and equipment between -40F up to 300F. 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 white or gray*

**Mixing:** use a ½" electric or air driven mixer with slotted paddle or jiffy mixer blade. Mix the product in its container for 10-15 minutes until homogeneous. Strain prior to spraying

**Tinting and Thinning:** Do not thin or tint THERMACOAT-300

**Preparation:** All surfaces must be cured, clean, dry and free from dirt, dust rust, stains, grease, oil, mildew, wax, efflorescence, and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, high pressure washing, or other appropriate methods. Repair all cracks, holes, and other surface imperfections with suitable patching material. Repaired surfaces should then be sanded, cleaned, and spot primed with suitable primer or sealer. If efflorescence exists, remove all noticeable deposits and prime the entire surface with suitable primer. New wood and metal surfaces should be primed with appropriate product.

**Application:** 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-300 is applied at operating temperature reducing downtime. THERMACOAT-300 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 (4.5-6 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	7-10 days	2-4 days
Shelf life	12 months (unopened)		
Storage	Store indoors at 40-100F		
Viscosity (77F)	150-200 cps		
VOC Content	<50 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 200-300F showed an average temperature reduction of 120-150 Fat 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. Thermacoat-300 is designed to be used as a topcoat for exterior application of Thermacoat-400 and Thermacoat-600