



PT1154 Lower Viscosity White Room Temperature Epoxy Surface Coat

DESCRIPTION

PT1154 is a thixotropic, off-white, soft paste viscosity epoxy surface coat system that works very well in many demanding industrial applications. The resin and hardener combine easily to form a smooth, medium-low viscosity which spreads easily and picks up fine detail without trapping air on the surface. The mixed material provides good coverage on corners and projections on the pattern surface. When cured, PT1154 forms a tough, durable surface that is easy to sand or scribe, and gives long dependable service.

PRODUCT SPECIFICATIONS

	PT1154 Part A	PT1154 Part B	ASTM Method
Color	White	Amber	Visual
Viscosity, @ 77°F, centipoise	40,000 cps	12,500 cps	D2392
Specific Gravity, gms./cc	1.38	1.09	D1475
Mix Ratio	100 : 15		PTM&W
Pot Life, 4 fl.oz. Mass @ 77°F	18 - 20 minutes		D2471

HANDLING and CURING

PT1154 A/B will cure completely at room temperature with no heat added. After an overnight cure (16 to 18 hours) at 25°C or more, a thin film of this material will cure tack free and tough.

PACKAGING WEIGHTS

	Gallon Kit	Pail Kit	Drum Kit
PT1154 Part A	10 lb.	50 lb.	500 lb.
PT1154 Part B	1.5 lb.	7.5 lb.	2 @ 37.5 lb.
Kit	11.5 lb.	57.5 lb.	575 lb.

TYPICAL MECHANICAL PROPERTIES

	PT1154 A/B	ASTM Method
Mix Ratio, By Weight	100 : 15	PTM&W
Color	White	Visual
Mixed Viscosity, @ 77°F, centipoise	25,500 cps	D2393
Pot Life, 4 fl. Oz. Mass, @77°F	18 - 20 minutes	D2471
Cured Hardness, Shore D	86 - 88 Shore D	D2240
Shrinkage, inch/inch, Mold Number 0, Volume:0.17 Gallon	0.0004	D2566
Specific Gravity, grams, cc	1.33	D1475
Density, lb./cu. Inch lb. / gallon	0.0482 11.1	D792
Specific Volume, cu. in./lb.	20.8	
Tensile Strength, psi	6,730 psi	D638
Elongation at Break, %	1.6 %	
Tensile modulus, psi	769,780 psi	
Flexural Strength, psi	4,406 psi	D790
Flexural Modulus, psi	842,806 psi	
Compressive Strength, psi	16,030 psi	D695
Glass Transition Temperature, TMA: Tg	212°F	D3386
Coefficient of Thermal Expansion, Range 50°C to 100°C	3.56 x 10 ⁻⁵ in./in./ °F	D696

SAFETY and HANDLING

PTM&W epoxy products are made from raw materials carefully chosen to minimize or even eliminate toxic chemicals, and therefore offer the user high performance products with minimum hazard potential when properly used. Generally, the PTM&W epoxy resins and hardeners will present no handling problems if users exercise care to protect the skin and eyes, and if good ventilation is provided in the work areas. However, breathing of mist or vapors may cause allergenic respiratory reaction, especially in highly sensitive individuals. As such, avoid contact with eyes and skin, and avoid breathing vapors. Wear protective rubber apron, clothing, nitrile rubber gloves, face shield or other items as required to prevent contact with the skin. In case of skin contact, immediately wash with soap and water, followed by a rinse of the area with vinegar, and then a further wash with soap and water. The vinegar will neutralize the hardener and lessen the chances of long term effects. Use goggles, a face shield, safety glasses or other items as required to prevent contact with the eyes. If material gets into the eyes, immediately flush with water for at least 15 minutes and call a physician. Generally, keep the work area as uncluttered and clean as possible, and clean up any minor spills immediately to prevent accidental skin contact at a later time. Keep tools clean and properly stored. Dispose of trash and empty containers properly. Do not use any of these types of products until Material Safety Data Sheets have been read and understood.

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