

HARDCOAT 3615 FR



DESCRIPTION

HARDCOAT 3615 FR is a Fire Retardant, two component, fast set, rapid curing, liquid plastic, aromatic polyurethane spray system. It is used as a “hard-coat” to protect expanded polystyrene (EPS), Styrofoam and PUF from physical damage and impacts.

TYPICAL USES & APPLICATIONS

Used as one multi-coat application to resist impact damage for Expanded Polystyrenes (EPS), Styrofoam, wood, urethane foam and phenolic foam board stock. Protect enhances aesthetic appeal for various surfaces and can be top coated with other CP products.

ADVANTAGES

- Passes ASTM D 635 Fire Test Criteria
- 100% Solids, Meets VOC Regulations
- 1:1 mix ratio
- Fast cure and cycle times increase production
- Odorless, No Toxic Vapors
- Durability prolongs substrate life

PACKAGING

Container Sizes	10 & 100 Gallon Kits
Shipping Weights	120 lbs (pail) & 1,100 lb (drum)

PRIMERS & TOP COATS

This product may use primers or be topcoated. Please consult us for details.

POT LIFE

Pot life is less than 30 seconds. Plural mix equipment only.

APPLICATION PARAMETERS

HARDCOAT 3615 FR must be sprayed using (1:1 by Volume), heated, high pressure, plural component airless equipment only. When ready to spray this material, the proportioning unit must be capable of supplying the correct pressure and heat which is mandatory in order to apply the product in a consistent, efficient manner. Pressures of 2,500-3,000 psi with heated hose that can maintain material temperature of 135-150 F at the gun tip. Proportioner heaters and drum heaters are required that can assist in maintaining the temperatures. Use 2:1 transfer pumps or greater for material supply to the equipment.

PHYSICAL DATA

Solids By Volume	100%
Theoretical Coverage	1604 mil ft ² /gal
Volatile Organic Compounds	0 lbs / gal (0 gm/L)
Thinned	N/A
Recommended DFT	30-125 mils
Number of Coats	1 or more
Mix Ratio	1 “A” to 1 “B”
Shelf Life	12 months
Color	Neutral, Call Rep
Flash Point - PMCC	>300° F (149° C)
Viscosity- LV4/60 RPM	
Component A	900 cps
Component B	1,100 cps

SPECIFICATION DATA

Tensile Strength [ASTM D 412]	3000 psi
Elongation [ASTM D 413]	40%
Hardness [ASTM D 2240]	68 Shore D
Flexural Modulus [ASTM D 790]	49,000
Density	68 pcf
Fire Test ASTM - D 635	Passes