

## TECHNICAL DATA SHEET

### Product Name: Foam HardCoat

**Product Description:**

Foam HardCoat is a 2-component abrasion resistant spray coating used over low density substrates such as polystyrene and polyurethane foams which require exterior protective surface hardness up to 70 Shore D. This material system puts on an impact resistant hard shell which then can be painted using many different material systems, urethanes, acrylics, enamels, lacquers, etc. It also provides excellent chemical and moisture resistance blocking. The coating is available with added fire retardants to meet E84 Class I installations and contains no VOCs or solvents. These specialized formulations deliver optimal curing very cold or hot climates. Full cure in 48 hrs.

- Fast-Setting hard shell foam protection, excellent chemical and moisture resistance blocking.
- Universally paintable using just about any paint system.

**Material Property Values and Application Requirements Table**

Property	*Values relative to density	Test Method
Tensile Strength	2860 psi	ASTM D412
Flex Modulus	270k psi	ASTM D2794
Density	~67 pcf	ASTM D792
Abrasion Resistance	50 mg loss /1000 cycles	ASTM D4060 (CS-17)
Hardness Shore D	70	ASTM D785
Elongation %	~40%	ASTM D412
Application: 800 psi plural component spray machine, 100 psi hand-held pneumatic cartridge gun, best if material heated 120F(49°C), cools very quickly upon surface contact.		
Mixing Ratio 1A:1B pbv, available in limited colors.		
Surface Preparation: foam to be clean and dry, no dusting or residual contaminates, approved surface type (non-polyolefin), installation ambient temp. 12°C- 36°C.		
Tack Free Gel Time is 20 sec. May be top-coated using any of our 1K or 2K coating systems or others.		
Functional operation temperature: -40°C- 65°C., Zero VOC.		
Coverage: 100 sqft. @ 0.016 mils /gal. Build thickness as desired.		
See SDS for material safety data. Must wear eye goggles, respiratory protection, gloves, etc.		
KEEP MATERIAL FROM FREEZING, moisture-free temperature controlled storage 12°C- 32°C, 12 month shelf life if never opened. After opening reseal with Nitrogen blanket.		
Packaging: Tote set 550 gal (4900 lbs), 100 gal Drum set (900 lbs), 10 gal Pail set (90 lbs)		

Please contact our Engineering and/or Technical Support Groups with any questions.

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