

## PolyMaster, Inc.

Knoxville, TN

### Incythane™ 500, 1700 and 2000 Spray Foam Insulation

#### Product Description, Applications

Incythane™ is a spray polyurethane foam (SPF) insulation with self-adhering, seamless, insulating efficiency. A 2-component insulation foam system, it is spray applied with no visible shrinkage. Incythane can be sprayed on top of itself and requires no continuous mixing or agitation. Incythane seals cracks and holes around windows, sills, outlets, etc., virtually eliminating air-flow problems and insulating and sealing against air infiltration. Incythane is ideal for stud-wall cavities, metal buildings, wythe cavities, attics and basements.

#### Features, Advantages

- Seals all cracks and holes
- Does not settle
- Acts as barrier to pests
- Makes homes quieter
- Keeps allergy causing pollutants outside
- Prevents water penetration

#### Properties, Performance

##### INCYLTHANE 500

- Core density (nominal) - 0.5 pcf (8 kg/m<sup>3</sup>)
- Thermal conductivity (k-value) - 0.28 Btu/(ft<sup>2</sup> × h × °F) (0.48 W/m × K)
- R-value at 3.5" (89 mm) - 12.6
- Permeance at 3.5" (89 mm) - 7.7 perm (442 ng/(Pa × s × m<sup>2</sup>))
- Maximum service temperature - 120 degrees F (49 degrees C)
- Flamespread (ASTM E84) - < 25
- Smoke developed (ASTM E84) - < 450

##### INCYLTHANE 1700

- Density - 1.7 pcf (27.2 kg/m<sup>3</sup>)
- Thermal resistance per inch - R-6.7
- R-value at 3.5" (89 mm) - R-23
- R-value at 5.5" (140 mm) - R-37
- Thermal conductivity (k-value) - 0.15 Btu/(ft<sup>2</sup> × h × °F) (0.26 W/m × K)
- Cell structure - Closed
- Flamespread (ASTM E84) - 25
- Smoke density (ASTM E84) - < 450
- Corrosiveness - None
- Blowing agent - HCFC
- Formaldehyde - None
- Approximate yield (bd ft/lb) - 3.9 - 4.2

##### INCYLTHANE 2000

- Density - 2.0 pcf (32 kg/m<sup>3</sup>)
- Thermal resistance per inch - R-7.0
- R-value at 3.5" (89 mm) - R-25
- R-value at 5.5" (140 mm) - R-39
- Thermal conductivity (k-value) - 0.15 Btu/(ft<sup>2</sup> × h × °F) (0.26 W/m × K)
- Cell structure - Closed
- Flamespread (ASTM E84) - 20
- Smoke density (ASTM E84) - < 450
- Corrosiveness - None
- Blowing agent - HCFC
- Formaldehyde - None
- Approximate yield (bd ft/lb) - 3.3 - 3.6

#### Contact

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