

HTS 3300 series

SPRAY URETHANE ROOFING FOAM

DESCRIPTION

HTS 3300 series is a two-component HCFC spray applied polyurethane rigid spray urethane foam system. HTS 3300 is formulated with low viscosities to provide for best spray ability and is designed with high tensile strengths for superior durability. HTS 3300 offers superb dependability for a broad range of applications and is supplied in a convenient 1:1 mix ratio by volume. Heated Plural Component pumps capable of maintaining 100-120 degrees F are required for application of this system. HTS 3300 meets the requirements of UL 790 (ASTM E-108) in Class A and Class B roof configurations involving HTS approved polyurethane roofing coating systems on a variety of substrates including: wood, metal, concrete.

Call HTS for specific recommendations on surface preparations.

ORDERING INFORMATION

454 Kilogram Kit Size
1000 Pound Kit Size

FREIGHT CLASSIFICATION

Non - regulated

TYPICAL WET PROPERTIES

| | ISO | POLYOL |
|-----------------------|----------------|---------------|
| Viscosity at 22 C | 200-300 cps | 300-400 cps |
| Specific Gravity | 1.24 | 1.17 |
| Appearance | Brown Liquid | Brown Liquid |
| Weight per US Gallon | 10.33 LBS ± .5 | 9.75 LBS ± .5 |
| Shelf Life - unopened | 12 Months | 6 Months |

FEATURES

To help contractors HTS has designed the spray foam numbering system with the last two digits outlining the speed of the reactivity. The time is measured in lab conditions and should be used only as a guide to help determine the speed of foam required for climatic conditions. Field conditions will vary depending on the temperature of the substrate and the thickness sprayed.

HTS System Number
Reaction

3305
Spring/Fall

3310
Summer

VERSATILITY: HTS 3300 series spray foams can be applied in a wide variety of applications with proper surface preparation and primers. DO NOT apply a “flash coat” of foam for the first pass as this may cause poor adhesion to the substrate. Maximum pass thickness is 1.5 inches thick, minimum 1.0 inch. Allow adequate time for the heat of each pass (exotherm) to dissipate prior to spraying next pass of urethane foam, typically 20 minutes. Proper substrate temperature and foam reaction profile is critical to obtain maximum yield and adhesion.

PHYSICAL PROPERTIES OF CURED MATERIALS

| PROPERTY | ASTM TEST | VALUE | VALUE |
|--|-----------|---------------------------|---------------------------|
| Density | D 1622 | 43.3 kg/m ³ | 2.7 pcf |
| Compressive Strength | D 1621 | 358 Kpa | 52 psi |
| Tensile Strength | D 1623 | 536 Kpa | 78 psi |
| Closed Cell Content | D 1940 | | > 92 % |
| Dimensional Stability 2 days @ 20 F - Dry 28 days @ 158 F ambient RH 28 days @ 158 F 100 RH | D 2126 | | - 0.80% + 4 % + 8 % |
| Water Absorption | D 2842 | .64 kg/m ³ | .04 lbs ft ³ |
| Water Vapour Permeability | C 355 | 84 ng/Pa/s/m ² | 1.4 |
| Flame Spread | E 84-77A | | <75 |
| Thermal Resistance | | | |
| Initial | C 177 | .125 K | R 8.0 |
| Aged | C 177 | .160 K | R 6.3 |

Polyurethane products manufactured or produced from these chemicals may present a serious fire hazard if improperly used or allowed to remain exposed or unprotected. This foam product is combustible and must be covered by an approved thermal barrier according to local laws and the National Building Code.

PROCESSING INFORMATION

Output Pressures 800 - 1200 psi
 Primary Heater Settings 110 - 120 degrees F
 Hose Heat Settings 100 - 120 degrees F
 Maximum Pass Thickness 1.5 inches

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