

THERMAL INSULATION AND AIR BARRIER
 ER-699 | ESR-5254 | CSI Section: 07 21 00

PRODUCT DESCRIPTION

Accufoam CC is a two-component, one-by-one-by-volume spray-applied polyurethane foam. Accufoam CC is a high-yield, medium-density, spray-applied insulation foam, and is designed to provide good thermal performance and a significant control of air infiltration of an air-barrier assembly.



PRODUCT DATA

| PROPERTY | TEST METHOD | VALUE |
|---------------------------------|----------------|------------------|
| R-VALUE @ 1" | ASTM C 518 | 6.52 |
| R-VALUE @ 3.5" | ASTM C 518 | 23 |
| CORE DENSITY (PCF) | ASTM D 1622 | 1.8-2.0 |
| OPEN-CELL CONTENT % | ASTM D 6226 | <5 |
| DIMENSIONAL STABILITY % | ASTM D 2126 | <8.6 |
| TENSILE STRENGTH (PSI) | ASTM D 1623 | 53.5 |
| COMPRESSIVE STRENGTH (PSI) | ASTM D 1621 | 31.75 |
| AIR PERMEANCE | ASTM E 2178 | <0.02 |
| SURFACE BURNING CHARACTERISTICS | ASTM E 84 | Class-1 |
| CRITICAL RADIANT HEAT FLUX | ASTM E 970 | Pass |
| WATER VAPOR PERMEANCE | ASTM E 96 | 1.77 Perms at 1" |
| RE-ENTRY PERIOD W/10 ACH | ASTM D8445-22A | 1 Hour |
| RE-OCCUPANCY PERIOD W/10 ACH | ASTM D8445-22A | 1 Hour |
| VISCOSITY-ISO AT 77F (CPS) | | 200 |
| VISCOSITY-RESIN AT 77F (CPS) | | 720 |

BURN CHARACTERISTICS

| PROPERTY | TEST METHOD | VALUE |
|--------------------|-------------|-------|
| FLAME SPREAD INDEX | ASTM E 84 | ≤ 25 |
| SMOKE DEVELOPMENT | ASTM E 84 | ≤ 450 |

THERMAL BARRIER NFPA286

| TYPE | WFT | WALL | CEILING | APPLICATION RATE |
|-------|------------|--------------|--------------|-------------------|
| DC315 | 19 MIL MIN | 5.5 INCH MAX | 9.5 INCH MAX | 1.2 gal/100 SQ FT |

IGNITION BARRIER AC377X

Complies with the applicable requirements of AC377 Appendix X for use in attics and crawl spaces without a prescriptive ignition barrier

TEMPERATURE GRADES

| REACTIVITIES AVAILABLE | AMBIENT TEMPERATURE RANGE |
|------------------------|---------------------------|
| SUMMER + | > 95°F |
| SUMMER | 70°F – 95°F |
| REGULAR | 50°F – 70°F |
| WINTER | 30°F – 50°F |

APPLICATION PARAMETERS

| | |
|-------------------------------|------------------|
| STORAGE TEMPERATURE | 60° – 90° |
| AMBIENT TEMPERATURE | 30° – 120° |
| SUBSTRATE TEMPERATURE | 30° – 120° |
| MOISTURE CONTENT OF SUBSTRATE | Less than 19% |
| IN SERVICE TEMPERATURE | 241° |
| MAXIMUM LIFT PER PASS | Not to exceed 3" |

EQUIPMENT SETTINGS

| | |
|-----------------------------------|--|
| PRE-HEATER: (A) COMPONENT – ISO | 110° – 130° |
| PRE-HEATER: (B) COMPONENT – RESIN | 110° – 130° |
| HOSE HEAT | 110° – 130° |
| FLUID PRESSURE – DYNAMIC | 1100 – 1400 psi |
| MIXING RATIO | 1:1 by Volume |
| RECOMMENDED MIX CHAMBER SIZE | 10-15 lbs./minute (i.e. 01-Graco AR4242) |
| STORAGE STABILITY | 6 Months |

**The values represented in the Equipment Settings chart provides initial optimum settings. Actual operating ranges will vary as ambient air; humidity, moisture, and substrate temperatures vary. Extreme conditions will affect the yield, adhesion and cured physical properties of the foam. Applicator must make adjustments as conditions vary.*

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