

THERMAL INSULATION AND AIR BARRIER
ESR-699 | 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	ASTM D 1622	1.8-2.0 pcf
OPEN-CELL CONTENT	ASTM D 6226	<5%
DIMENSIONAL STABILITY	ASTM D 2126	<8.6%
TENSILE STRENGTH	ASTM D 1623	53.5 psi
COMPRESSIVE STRENGTH	ASTM D 1621	31.75 pcf
AIR PERMEANCE	ASTM E 2178	<0.02
SURFACE BURNING CHARACTERISTICS	ASTM E 84	Class-1
CRITICAL RADIANT HEAT FLUX	ASTM E 970	Pass
FLAME SPREAD		<25
SMOKE DEVELOPMENT		<450
RE-ENTRY PERIOD		4-Hour
RE-OCCUPANCY PERIOD		24-Hours
VISCOSITY-ISO AT 77F (CPS)		200
VISCOSITY-RESIN AT 77F		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	.25 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
CC 120	110°F – 130°F
CC 100	90°F – 110°F
CC 80	70°F – 90°F
CC 60	50°F – 70°F
CC 40	30°F – 50°F

APPLICATION PARAMETERS

STORAGE TEMPERATURE	60° – 90°
AMBIENT TEMPERATURE	40° – 120°
SUBSTRATE TEMPERATURE	40° – 120°
MOISTURE CONTENT OF SUBSTRATE	Less than 19%
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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