

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

PRODUCT DESCRIPTION

Accufoam OC is a two-component, one-by-one-by-volume spray-applied polyurethane foam. Accufoam OC is a high-yield, low-density, no-mix, spray-applied insulation foam, which contains zero ozone-depleting blowing agents and is designed to provide good thermal performance and a significant control of air infiltration of an air-barrier assembly. Accufoam OC is 100% water blown.



PRODUCT DATA

PROPERTY	TEST METHOD	VALUE
R-VALUE @ 1"	ASTM C 518	3.7
R-VALUE @ 3.5"	ASTM C 518	13
CORE DENSITY	ASTM D 1622	0.45 pcf
OPEN-CELL CONTENT	ASTM D 6226	>90%
DIMENSIONAL STABILITY	ASTM D 2126	<9.3
TENSILE STRENGTH	ASTM D 1623	4.2 psi
AIR PERMEANCE	ASTM E 2178	<0.02
SOUND TRANSMISSION CLASS	ASTM E 90	38
NOISE REDUCTION COEFFICIENT	ASTM C 423	0.55
SURFACE BURNING CHARACTERISTICS	ASTM E 84	Class-1
RE-ENTRY PERIOD		2-Hour
RE-OCCUPANCY PERIOD		6-Hours
VISCOSITY-ISO AT 77F (CPS)		200
VISCOSITY-RESIN AT 77F (CPS)		320

BURN CHARACTERISTICS

PROPERTY	TEST METHOD	VALUE
FLAME SPREAD INDEX	ASTM E 84	< 25
SMOKE DEVELOPMENT	ASTM E 84	< 450

IGNITION BARRIER AC377X

TYPE	WFT	WALL	CEILING	APPLICATION RATE
DC315	4 MIL MIN	8 INCH MAX	14 INCH MAX	.25 GAL/100 SQ FT
FS-IB	6 MIL MIN	10 INCH MAX	15 INCH MAX	.38 GAL/100 SQ FT

THERMAL BARRIER NFPA286

TYPE	WFT	WALL	CEILING	APPLICATION RATE
DC315	18 MIL MIN	10 INCH MAX	12 INCH MAX	.25 GAL/100 SQ FT

UNVENTED ATTIC ASSEMBLIES CCRR 0354

LOCATION	MAX THICKNESS (IN.)	MIN THICKNESS (IN.)
ROOF DECK	18"	3"
ATTIC WALL	18"	3"

*Consult with Creative Polymer Solutions Technical Department for Unvented Attic Guide drawings and specifications.

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 6"

EQUIPMENT SETTINGS

PRE-HEATER: (A) COMPONENT – ISO	120° – 140°
PRE-HEATER: (B) COMPONENT – RESIN	120° – 140°
HOSE HEAT	120° – 140°
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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