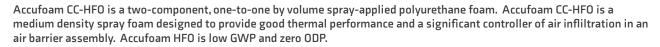


# THERMAL INSULATION AND AIR BARRIER ER-833 | ESR-5252

#### PRODUCT DESCRIPTION





## **PRODUCT DATA**

PROPERTY	TEST METHOD	VALUE
R-VALUE @ 1"	ASTM C 518	7.5
R-VALUE @ 3.5"	ASTM C 518	24
CORE DENSITY (PCF)	ASTM D 1622	1.9
OPEN-CELL CONTENT %	ASTM D 6226	<5
DIMENSIONAL STABILITY %	ASTM D 2126	<7.66
TENSILE STRENGTH (PSI)	ASTM D 1623	46.9
COMPRESSIVE STRENGTH (PSI)	ASTM D 1621	32.2
SHEAR PROPERTIES OF SANDWICH CORE MATERIALS (LBF/IN²)	ASTM C 273	40.67
SURFACE BURNING CHARACTERISITCS	ASTM E 84	Class-1
RE-ENTRY PERIOD W/10 ACH	ASTM D8445-22A	1 Hour
RE-OCCUPANCY PERIOD W/10 ACH	ASTM D8445-22A	2 Hours
VISCOSITY-ISO AT 77F (CP)		200
VISCOSITY-RESIN AT 77F (CP)		700
ANTI FUNGAL	ASTM C 1338	PASS

#### **BURN CHARACTERISTICS**

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

#### **THERMAL BARRIER NFPA286**

ТҮРЕ	WFT	WALL	CEILING
DC315	14 MIL MIN	7.5 INCH MAX	9.5 INCH MAX
FLAME CONTROL 60-60A	14 MIL MIN	7.5 INCH MAX	9.5 INCH MAX
NO BURN XD/PLUS THB	14 MIL MIN		

## **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**

REACTIVITES AVAILABLE	AMBIENT TEMPERATURE RANGE
REGULAR	50°F –110°F
WINTER	20°F – 70°F

#### **APPLICATION PARAMETERS**

STORAGE TEMPERATURE	60° – 80°
AMBIENT TEMPERATURE	20° – 120°
SUBSTRATE TEMPERATURE	30° – 120°
IN SERVICE TEMPERATURE	231°
MOISTURE CONTENT OF SUBSTRATE	Less than 19%
MAXIMUM LIFT PER PASS	Not to exceed 3.5"

## **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)
SHELF LIFE	6 Months

<sup>\*</sup>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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