

PRODUCT DESCRIPTION

NSF Polymers CC-OG is a polyurethane foam engineered for optimal insulation performance and air infiltration control in air-barrier assemblies. This spray-applied foam is formulated with two components, combined in equal volumes, to deliver outstanding thermal efficiency. NSF OC-OG's low-density composition, ensuring a high yield. This spray foam is a sustainable choice, maintaining a commitment to environmental responsibility because it does not contain any blowing agents that deplete the ozone layer and by being 100% water blown.



TYPICAL PHYSICAL PROPERTIES

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

APPLICATION PARAMETERS

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

EQUIPMENT SETTINGS

FLUID PRESSURE - DYNAMIC	1100 - 1400 psi
HOSE HEAT	110° - 130°
PRE-HEATER: (A) COMPONENT - ISO	110° - 130°
PRE-HEATER: (B) COMPONENT - RESIN	110° - 130°
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.

FIRE PERFORMANCE CHARACTERISTICS

BURN CHARACTERISTICS

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

IGNITION BARRIER AC377X

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

THERMAL BARRIER NFPA286

TYPE	WET FILM THICKNESS (WFT)	WALL	CEILING	APPLICATION RATE
DC315	Minimum 19 mils	Maximum 10"	Maximum 12"	1.2 GAL/100 SQ FT

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