

PRODUCT DESCRIPTION

NSF Polymers OC-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'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)	0.40-0.45	ASTM D 1622
DIMENSIONAL STABILITY %	<9.3	ASTM D 2126
NOISE REDUCTION COEFFICIENT	0.55	ASTM C 423
OCCUPANCY PERIOD W/10 ACH	1 Hour	ASTM D8445-22A
OPEN-CELL CONTENT %	>90	ASTM D 6226
R-VALUE @ 1"	3.7	ASTM C 518
R-VALUE @ 3.5"	13	ASTM C 518
RE-ENTRY PERIOD W/10 ACH RE-	1 Hour	ASTM D8445-22A
SOUND TRANSMISSION CLASS	38	ASTM E 90
SURFACE BURNING	Class-1	ASTM E 84
TENSILE STRENGTH (PSI)	4.2	ASTM D 1623
VISCOSITY-ISO AT 77F (CPS)	200	
VISCOSITY-ISO AT 77F (CPS)	320	

APPLICATION PARAMETERS

AMBIENT TEMPERATURE	40° - 120°
MAXIMUM LIFT PER PASS	Not to exceed 8"
MOISTURE CONTENT OF SUBSTRATE	Less than 19%
STORAGE TEMPERATURE	60° - 90°
SUBSTRATE TEMPERATURE	40° - 120°

EQUIPMENT SETTINGS

FLUID PRESSURE - DYNAMIC	1100 - 1400 psi
HOSE HEAT	120° - 140°
PRE-HEATER: (A) COMPONENT - ISO	120° - 140°
PRE-HEATER: (B) COMPONENT - RESIN	120° - 140°
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

UNVENTED ATTIC ASSEMBLIES

LOCATION	MAX THICKNESS	MIN THICKNESS
ROOF DECK	18"	3"
ATTIC WALL	18"	3"

IGNITION BARRIER AC377X

TYPE	WET FILM THICKNESS (WFT)	WALL	CEILING
DC315	Minimum 4 mils	Maximum 8"	Maximum 14"
FS-IB	Minimum 6 mils	Maximum 10"	Maximum 15"
No Burn Plus XD/Plus ThB	Minimum 6 mils	Maximum 8"	Maximum 14"

THERMAL BARRIER NFPA286

TYPE	WET FILM THICKNESS (WFT)	WALL	CEILING
DC315	Minimum 18 mils	Maximum 10"	Maximum 12"

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