

NCFI SPRAY FOAM SYSTEM 11-010 Series

Physical Property Sheet

DESCRIPTION:

NCFI 11-010 series is a two component, one-to-one by volume, self-adhering, seamless, high insulating efficiency spray applied rigid polyurethane foam system. NCFI 11-010 has been designed for use where Building Codes specify 25 Flame Spread and less than 450 Smoke Density per ASTM E-84. This NCFI system has been formulated with HFC 245fa as the blowing agent and is developed to achieve desired 2 pcf foam density in sea level (11-010) and high altitude (11-010 HA) applications.

DISTINGUISHING CHARACTERISTICS:

- High R-Value
- Excellent Moisture Vapor Transmission Resistivity
- High Yields
- High Closed Cell Content
- Good Dimensional Stability
- Meets ASTM E-84, FS \leq 25, SD \leq 450 at 2 inch Thickness

For proper use of this NCFI insulating material refer to the NCFI Application Information and any of the following codes or guides:

- ICC, International Building Code, Section 2603
- ICC, International Building Code, Section R314
- API Fire Safety Guidelines for Use of Rigid Polyurethane and Polyisocyanurate Foam Insulation in Building Construction (AX230)

TYPICAL PHYSICAL PROPERTIES:

Core Density	2.0 pcf
Compressive Strength	22 psi
Moisture Vapor Transmission	1.8 perm in
Closed Cell Content	\geq 90%
k - Factor, initial As with all insulating materials, the k-factor will vary with age and use conditions.	0.145 Btu•in/ (hr•ft ² •°F)
Maximum Service Temperature	180°F
Flammability, ASTM E-84, Flame Spread Smoke Dev	<u>2 inch</u> \leq 25 \leq 450

Note: The above values are average values obtained from laboratory experiments and should serve only as guide lines. Free rise core density should not be confused with overall density. Overall densities are always higher than free rise core densities and take into account skin formation, thickness of application, environmental conditions, etc