

# CROSSIN<sup>®</sup> 450 Open Cell Spray Foam Insulation



CHEMICAL NAME	Polyurethane system
TECHNICAL REQUIREMENTS	<p>These recommendations are based on experience in applying the spray foam with the machine Graco Reaktor H-XP3 with the gun PROBLER P2 ELITE (01 mixing chamber) and Twistork helix mixer.</p> <p>Components volumetric ratio POLY : ISO.....100 : 100          Components heating temp:..... 122 - 140°F          Hoses temperature:..... 122 - 140°F          Components pressure: ..... 80 - 110 Bar (1160 - 1595 psi)          Component drum temperatures: ..... 86 – 104°F          The recommended ambient temperature: .....50 - 95°F          Recommended surface temperature should: .....59 - 122°F          Ambient relative humidity: .....≤ 70%          Humidity on the porous surface: ..... to 15%          Nonporous surface should be dry: .....(0%)</p>
GENERAL DATA	<p>Core density:..... ≥ 0.45 lb/ft<sup>3</sup>          ASTM D-1622</p> <p>Fire classification ..... Class 1 (A)          Surface Burning Characteristic at 5" ..... Flame spread index 20          Smoke development 300          ASTM E 84-15</p> <p>Room corner fire test ..... Passed          NFPA 286, AC377</p> <p>Thermal Resistance: ..... 1"= 4.08 hr/sf oF/BTU          Thermal Resistance 90 day: ..... 1"=3.91 hr/sf oF/BTU          ASTM C518-15</p> <p>Air permeance: ..... 0.017 L/sm<sup>2</sup>          ASTM E 2178-14</p> <p>Tensile strength: ..... 3.1 psi          ASTM D1623</p> <p>Dimensional stability: ..... 1 day – 1.4%          7 day – 2.0%          ASTM D2126</p> <p>Open cell content ..... 98%</p>
IAMPPO UES approval	<p>PCC Prodex Sp. z o.o. has recieved confirmation IAPMO Evaluation Service, LLC (IAMPO UES) that its CROSSIN 450 Open Cell Spray Foam Insulation complies with the provisions of the:</p> <p>✓ 2018, 2015 and 2012 International Building Code® (IBC)</p>

- ✓ 2018, 2015 and 2012 International Residential Code® (IRC)
- ✓ 2018, 2015 and 2012 International Energy Conservation Code (IECC)
- ✓ 2018 International Green Construction Code (IGCC) (Section 4.4.1)

This confirmation, as evidence in IAPMO UES ER-785, provides guidance to code officials faced with approving the use of CROSSIN 450 Open Cell Spray Foam Insulation under these codes. The evaluation report is available online at:

[http://www.iapmoes.org/Documents/ER\\_0785.pdf](http://www.iapmoes.org/Documents/ER_0785.pdf)

#### APPLICATION

CROSSIN® 450 is designed for producing internal thermal and acoustic insulation by spraying. It is used for insulation of roofs, attics and various types of roofing, in wood construction, masonry, steel and skeletal systems of residential, industrial, agricultural and public buildings, hangars and media venues.

CROSSIN® 450 is a polyurethane system that must be processed using the special foaming units, equipped with a spray head.