



No Mix Open Cell *Spray Polyurethane Foam Insulation*

Product Description:

PROFILL is a unique ocsfp Insulation in the industry as it employs a proprietary blend of formula that insures adhesion to substrates and itself. The product is manufactured on site by certified installers using specialized equipment that mixes a two component foam system. PROFILL is yellow in color and sprays excellent in warm or freezing conditions.

Performance Benefits:

- **Zero Ozone Depleting** blowing agents
- **New Reaction Technology** – combining high quality raw ingredients with the newest technology which provides consumers with a high quality environmentally friendly low odor spray foam
- **Covers and Seals Completely** – PROFILL is a thermal resistive material. This foam system is manufactured to fill complex cavity spaces to effectively minimize the potential for air leakage.
- **ISO Certified Installers** – all installers are required to be trained by PROFOAM
- **Technology and Experience** – With the most listed products and the largest variety of spray foam products in the USA, PROFOAM offers superior innovative technology and over 20 years experience in urethanes. Being a American owned and operated business Profoam Corp.. understands the challenges of the North American climate and formulates its products accordingly.
- **Quality manufacturing and Consistency-** PROFILL is produced in a state of the art ISO 9001 certified manufacturing facility. Ensuring consistent quality products every time.

Applications:

PROFILL is recommended for use in these typical areas of construction:

- Residential Interior Construction: wall enclosures, ceilings, interior foundation, attic, crawl space, cathedral ceiling, rim joists etc.
- Industrial construction: Wall enclosures including steel, above or below grade, underside of deck etc.

Commercial interior construction: walls, foundation walls and the underside of roof decks Ductwork, pipes and a multitude of specialized applications



Profile Typical Physical Properties:

Attribute	Test Method	Results
Core Density	ASTM D1622	0.45lb/ft ³
Water Vapour Perm. 50 mm sample	ASTM E96	1580ng/(Pa·s·m ²)
Flame Spread	CAN/ULC S102 ASTM E84	210
Flame Spread	CAN/ULC S127	315
Dimensional Stability	ASTM D2126**	-29C, 80C, 0.0%
Volume % (28 Days)		70C 95 +-3% R.H -0.1%
Tensile Strength	ASTM 1623	3.3 psi
Open cell content	ASTM D2856	100%
Water Absorption	ASTM D2842	17.4%
Volatile Organic Emissions	CAN/ULC S774	PASS
Aged Thermal Resistance	ASTM C518 90 day aged	R-3.5 @ 25mm RSI .62 @ 25mm

All testing performed by an accredited independent third-party test Facility*
Dimensional Stability was tested without a substrate**

Application Information:

STORAGE RECOMMENDATION

All material provided by Profoam are to be sealed until ready for use. To ensure proper longevity of the products unopened materials should be indoors within a temperature range of (60-75 °F). Please see chart below for shelf life of materials:

	PROFILL Part B Resin	Insulthane ISO part A
Shelf Life	6 months	12 months
Storage Temperature Recommendations	(60-75 °F)	(60-75 °F)

Health and Safety Handling Recommendations:
PRECAUTIONS/LIMITATION:

Like many construction materials spray polyurethane foam is a combustible product. Therefore Installers and occupants are to take precautions and safety measures to ensure the foam does not come into contact with any heat emitting devices. Once application is completed foam shall be protected with a thermal barrier in accordance with the local building code requirements for a suitable thermal barrier. (drywall)

- The product must be applied on-site by qualified installers trained and approved by Profoam Corporation
- As specified by the manufacturer, the product must be manufactured on-site by qualified installers trained and approved by Profoam Corp
 - The product can be installed in new or retrofit constructions. In either case, the product must be installed in open cavities in the following locations in a wood-frame construction
 - exterior walls including perimeter joists;
 - cathedral ceilings with a vented air space
 - floors separating living spaces from a garage;
 - cantilever overhang floors; and
 - interior below-grade foundation walls.
 - The building envelope where the product is installed must conform to the requirements of the NBC for vapour barriers, air barriers, and damp proofing (interior below-grade walls).
 - For retrofit applications whereby there may be occupants in the unaltered part of the building, the qualified installer must ensure that the spraying area is isolated and negatively pressurized by using an exfiltration rate of 0.3 air changes per hour for at least one (1) day. An independent toxicological assessment determined that this ventilation rate must also be in effect for one (1) day before occupancy is permitted in the newly insulated suite.
 - The sprayed material should completely cover the surfaces between the studs, joists and other framing members. The surfaces to be covered should be clean, dry, and not covered in frost, oil, grease, dust or other unsuitable material.
 - The interior side of the applied semi-flexible polyurethane insulation must be covered with an approved thermal barrier
 - The insulation must be kept away from heat-emitting devices, such as recessed light fixtures and chimneys, at the minimum distance required by building regulations and safety codes.
 - The maximum in-service temperature of the insulation must not exceed 180°F.