



TECHNICAL DATA SHEET

Nuform Building Technologies Inc.

PRODUCT

CONFORM[®] is a PVC based, polymer product that is manufactured using up to 15% pre-consumer, recycled material. The stay-in-place components provide permanent formwork for concrete walls and provide both the interior and exterior wall finish. The product complies with the National Building Code of Canada and the International Building Code. CONFORM[®] provides a Class A interior finish and is permitted in buildings that require either combustible or non-combustible construction.

CONFORM[®] can be used for all types of buildings and is commonly used for commercial buildings, industrial structures, vehicle wash buildings and agricultural facilities. CONFORM[®] may contribute toward LEED[®] points.

CONFORM[®] is available for 4", 6" and 8" (100, 150 and 200 mm) concrete walls and is available with pre-installed polyurethane insulation for 6"

(150 mm) concrete walls that provide a thermal mass equivalent of R22 insulation. The wall finish is available in standard white and tan colors.

The extruded components slide and interconnect together to create a continuous full height formwork. The interior webs of the components act as form ties and are pre-punched to accommodate the installation of reinforcing steel bars and monolithic concrete wall construction.

CONFORM[®] provides a hard smooth surface with a semi-gloss finish. The material needs minimal maintenance and cleans easily with power washing. The polymer finish provides a water-resistant layer that can withstand many corrosive chemicals.

PHYSICAL PROPERTIES: TABLE 1

Property	Typical Values (These values are not intended for use in preparing specifications)		Test Method
Tensile Strength	5800 psi	(40.0 MPa)	ASTM D638
Tensile Modulus	456,000 psi	(3150 MPa)	ASTM D638
Flexural Strength	10,280 psi	(70.9 MPa)	ASTM D790
Flexural Modulus	417,600 psi	(2880 MPa)	ASTM D790
Notched Izod Impact (23°C)	4.5 ft-lb/in of notch	(240 J/m)	ASTM D256
Shore D Hardness	77		ASTM D2240
Coefficient of Linear Thermal Expansion	2.8 x 10 ⁻⁵ in/in/°F	(5.0 x 10 ⁻⁵ cm/cm/°C)	ASTM D696
Heat Deflection Temperature	165 °F	(73.9 °C)	ASTM D648
Drop Dart Impact A&B	1.1 in-lb/mil	(4890 J/m)	ASTM D4226
Specific Gravity	1.47		ASTM D792
Flash Ignition Temperature	860 °F	(460 °C)	ASTM D1929
Horizontal Burning Rate	0.0 in/min	(0.0 mm/min)	ASTM D635
Flammability Classification	V-0		UL 94
Flame Spread	20 * 5		ASTM E84 CAN/ULC S102.2
Smoke Developed	400 * 250		ASTM E84 CAN/ULC S102.2

* When tested to simulate actual conditions.

CODE AND PRODUCT EVALUATIONS

- Leber Rubes Inc., Fire and Code Consultants - for conformance to NBC and OBC
- ICC-ES, Report ESR-1223 - for conformance to IBC and IRC
- CFIA, Listing N251 - for acceptance in food processing facilities
- FDCA, Listing FL7382 - for Florida Product Approval

INSTALLATION

The CONFORM[®] components are pre-fabricated to suit each specific project. The components slide vertically and interlock together. The CONFORM[®] Construction Guide provides details regarding the installation procedure and is available from local distributors or by contacting NUFORM[®]. The CONFORM[®] Construction Guide is available in PDF format on the NUFORM[®] web site: www.nuformdirect.com

MAINTENANCE

Normal maintenance to remove accumulated dirt, soap film and/or calcium deposits requires periodic washing with REVIVE, a cleaner that is available from Nuform Building Technologies Inc. The REVIVE cleaner diluted 1:3 with water is applied with a spray and a soft brush and is allowed to soak for 5 to 10 minutes. Then the surface is rinsed clean with fresh water using a power washer. Please contact NUFORM[®] for information on cleaning other specific stains. Strong cleaners such as chlorine based bleaches, acetone products and pine oil based cleaners may dull or damage the CONFORM[®] surface and are not recommended. All strong cleaners should be tested on a small sample area, prior to use.



The information given herein is believed to be reliable. It is offered in good faith, but no representations, guarantees, warranties of any kind are made to its accuracy, suitability for specific applications or for the results obtained from those applications. Since conditions of use are beyond our control, all risks are assumed by the user. Nothing herein shall be construed as a recommendation for uses, which infringe on valid patents or as extending a license under valid patents.

WARRANTY

Nuform Building Technologies Inc. (NUFORM[®]) offers a 10-year limited warranty on the product. Please contact your NUFORM[®] representative for details. NUFORM[®] employs a comprehensive quality control program and attempts to ensure that all products are free from defects. However, users are expected to inspect all components before installation. If received products appear to be damaged or defective, the manufacturer shall be contacted for replacement, immediately. Due to the varying nature of installations, NUFORM[®] makes no representation of warranty either expressed or implied, regarding suitability or installation for a particular use. No consideration will be provided for any claims, such as but not limited to; shipping, labor, handling, delays, overhead, installation, lost profit, lost production and any other losses or expenses.

LIMITATIONS

CONFORM[®] shall not be used:

- When the ambient or surface temperature of the material will be above 122°F (50°C)
- When heaters, including radiant heaters, will be located less than 18" (450 mm) from the surface
- When installed as a component of an air duct system
- When installed as an interior finish material in a high building

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