



- Programs and services**
- Research programs and collaboration opportunities
- Technical and advisory services
 - Canadian Construction Materials Centre
 - Registry of product evaluations
 - About the registry
 - Evaluation services
 - Application for a new evaluation/modification
 - About the CCMC
- Licensing opportunities
- Industrial Research Assistance Program (IRAP)

CCMC Certification No.: 55555

Object of Certification

Product/System	TYPAR HouseWrap
Description:	0.30 mm thick 100% polypropylene, spun-bonded olefin fabric with copolymer film light gray with a black backing.
Intended Function:	Air Leakage Control
Intended Use in Building:	Exterior Wall Air Barrier Membrane
MasterFormat® No.:	07 27 00 – Air Barriers 07 27 19 – Plastic Sheet Air Barriers
Acceptable Plant(s):	This certification is only valid for products produced at the following plants (1) Old Hickory, TN

Registration

Status:	Active
Issue Date:	2017-12-31
Proponent:	FiberWeb LLC 70 Old Hickory Boulevard, Old Hickory, TN 37138 USA Website: www.typar.com Telephone: (615) 847-7000 Email: info@typar.com
Recognition:	 Standards Council of Canada Product Certification Body XXX conforming to the requirements of ISO/IEC 17065 and ISO/IEC 17067

Conformity Assessment

Specified Criteria:

This object of certification has demonstrated conformance with the following specified criteria:

Standards

Standard No.	Standard Name	Classification
CAN/ULC-S741-11	Air Barrier Materials	S50

Other Recognized Documents

Document No.	Document Name	Document Owner	Evidence
CCMC ORD 007	Air Barrier Materials of Walls	CCMC	Appendix A

Code Compliance:

This objection of certification has demonstrated compliance with the following Code provision(s).

National Building Code of Canada 2015

Code Provision	Solution Type	Evidence
9.36.2.10.(1) – Construction of Air Barrier Details	Acceptable Solution	Appendix A
9.25.3.2 – Air Barrier System Properties	Alternative Solution	Appendix A

Note(s) to Table 2

Compliance with the above Codes has been demonstrated as either an Acceptable Solution identified in the Code, or as an Alternative Solution meeting the minimum level of performance required by the Code, as indicated. For Alternative Solutions technical evidence is provided in the referenced appendix.

Ontario Minister's Ruling:

Ruling No. 09-32-230 (55555), authorizing the use of this product in Ontario, subject to the terms and conditions contained in the Ruling, was made by the Minister of Municipal Affairs and housing on 2009-12-02 (revised on 2011-05-30) pursuant to s.29 of the Building Code Act, 1992 (see Ruling for terms and conditions). This Ruling is subject to periodic revisions and updates.

Conditions & Limitations

Installation

- (1) The product must be installed as follows:
 - o with the printed side facing outward;
 - o protected from ultraviolet (UV) radiation within 60 days;
 - o with a 10-mm air space between the sheathing membrane and the cladding (unless the cladding has been deemed not to require an air space (e.g. by CCMC or by building officials based on past cladding performance); and
 - o according to the manufacturers installation manual ([approved version](#)).
- (2) A concealed airspace exceeding 25 mm in width must contain proper fire blocking, in accordance with Subsection 9.10.16., Fire Blocks, of Division B of the NBC 2015.
- (3) A CCMC-evaluated sheathing tape must be used to seal all joints.

Marking(s)

Certified materials, products and/or systems must bear the CCMC mark and conform to all packaging requirements of the Standards/ORD listed above.

Maintenance

This object of certification is subject to regular, ongoing surveillance activities to ensure continued validity of the certification.

Other:

Appendix A – Technical Evidence

A1 Scope of Evaluation

This report addresses the performance of TYPAR® Housewrap as an air barrier material within the client's specified air barrier system. The air barrier system has not been evaluated but is described below as additional information for the convenience of building officials and designers.

A2 Intended Function

If the product is installed as part of the designated air barrier system as described, it will serve a dual function in the wall assembly acting as both an air barrier material and as a sheathing membrane to control incidental water infiltration behind cladding. The latter function is covered in a separate CCMC Certification (CCMC 55556).

The product has demonstrated a sufficiently low air permeance equivalent to the materials outlined in Table A-9.25.5.1.(1), Air and Vapour Permeance Values, and Sentence 9.36.2.10.(1) of Division B of the NBC 2015 to be the principal plane of airtightness in an air barrier system.

A3 Compliance

Generally, when the product is installed as part of the airtight element of the proponent's proprietary air barrier system, the vapour barrier only needs to comply with Sentences 9.25.4.2.(1) and (5), Vapour Barrier Materials, of Division B of the NBC 2015. In cases where another low water vapour permeance element has been installed in the wall assembly, Article 9.25.5.1., General (Properties and Position of Materials in the Building Wrap), of Division B of the NBC 2015 must apply

A4 Technical Evidence

The Report Holder has submitted technical documentation for CCMC's evaluation. Testing was conducted at laboratories recognized by CCMC. The corresponding technical evidence for this product is summarized below. The durability assessment of TYPAR® HouseWrap is covered under CCMC 55556 and additional aging in CAN/ULC-S741-08, "Standard for Air Barrier Materials – Specification."

Table A4.1 - Testing

Test	Requirement	Result
CAN/ULC-S741-08 Air Leakage⁽¹⁾ (L/s·m ² 75 Pa)		
- Original	≤ 0.02	0.0014
- After UV and Heat Aging	≤ 0.001 ⁽²⁾	0.0021
Water Vapor Permeance (ng/Pa·s·m ²)		
- Infiltration direction	≥ 60	525
- Exfiltration direction	≥ 60	339

Notes to Table A1

- (1) Testing performed on 1m x 1m samples before and after UV aging as described in CAN/ULC-S741-08.
- (2) Where less than 0.01 L/(s·m²) for Original specimens, the increase of the air leakage rate at 75 Pa ΔP for UV and Heat Aged specimens must be ≤ 0.001 L/(s·m²).

A5 Related Documents

For more information on Air Barrier Material evaluations (as opposed to Air Barrier Systems), please see the CCMC publication "[Air Barrier Materials as part of an Air Barrier System](#)"