



# Evaluation Listing CCMC 14344-L

## Comfort Lock

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### 1. Evaluation

The product conforms to CAN/ULC-S705.1-01 (Amendments 1, 2, and 3), “Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Material - Specification.” The product’s minimum site density, long-term thermal resistance (LTTR), water vapour permeance (WVP) and time-to-occupancy values are provided in Table 1.1.

**Table 1.1 Site Density, LTTR, WVP and Time-to-Occupancy Specifications for the Product**

Product	Minimum Site Density <sup>(1)</sup> (kg/m <sup>3</sup> ) [lb/ft. <sup>3</sup> ]	50 mm Design LTTR (m <sup>2</sup> ·°C/W)	50 mm WVP <sup>(2)</sup> (ng/(Pa·s·m <sup>2</sup> ))	Time to Occupancy <sup>(3)</sup> (day)
SDP 1235 Comfort Lock	38.0 [2.37]	1.85	27	1

**Notes to Table 1.1:**

- (1) Based on the qualification testing to CAN/ULC-S705.1-01 (Amendments 1, 2, and 3), the specified minimum site density must comply with CAN/ULC-S705.1, as measured on site in accordance with CAN/ULC-S705.2-05, “Thermal Insulation – Spray Applied Rigid Polyurethane Foam, Medium Density – Application.”
- (2) The WVP is determined from a core sample with the skins removed. Due to the effect of the skins, the WVP at this thickness would be lower in the site-installed product.
- (3) For retrofit construction, the time to occupancy is one (1) day when the segregated retrofit area is ventilated as required by CAN/ULC-S705.2 during installation of the product. See Table 1, Note 3 in the Annex for the product for further details.

### 2. Description

The product is a spray-applied, rigid polyurethane foam of medium density. The foam system consists of two components (isocyanate and resin) that must be labelled as follows with “CCMC 14344-L:”

- Isocyanate (Component A): “Wannate PM-200”, and
- Resin (Component B): “Comfort Lock” resin.

The two components are mixed on site by a SHUNDA Polyurethane Ltd.-qualified installer (see Section 3.1) with fixed-ratio positive displacement equipment. The colour of the final cured product is aquatic blue.

### 3. Standard and Regulatory Information

See the Annex appended to this Listing, which summarizes the product standard.

This/These product(s) was/were evaluated to the product standard referenced in the Annex current as of 2019-10-07. Note that the Annex may have been updated since this Listing was issued to include more recent editions of the applicable product standard. Therefore, this listing may not reflect the requirements contained in any updated version of this product standard.

### 3.1 Qualified Installers

This is a site-manufactured product whereby SHUNDA Polyurethane Ltd. requires that only specific, qualified installers be authorized to install its proprietary spray-polyurethane insulation in buildings. In accordance with the SHUNDA Polyurethane Ltd. site quality assurance program (SQAP), the certification organization (CO) Caliber Quality Solutions Inc. (Caliber) has been commissioned to license the specified installers and issue them the requisite Caliber identification card. All specified installers must have a Caliber identification card.

### 3.2 Third-Party Field Auditing of Qualified Installers

As part of its SQAP, SHUNDA Polyurethane Ltd. also stipulated that site-audit inspections be conducted by site inspectors licensed by Caliber. Upon completion of the site audit, Caliber will report the product's conformity results and any corrective action required, if necessary, to SHUNDA Polyurethane Ltd. Building Officials who would like site-audit inspections to be conducted on specific building sites can contact Caliber at:

Caliber Quality Solutions Inc.  
2323 Yonge Street, Unit 605  
Toronto, ON M4P 2C9

**Telephone:** 888-572-7435

### Listing Holder

SHUNDA Polyurethane Ltd.  
190 Silver Star Blvd., Unit 9 & 10  
Scarborough, ON M1V 0E5

**Telephone:** 905-754-0568

**Fax:** 905-754-0558

**Email:** [info@sdpu.ca](mailto:info@sdpu.ca)

**Web site:** [www.sdpu.ca](http://www.sdpu.ca)

### Site-Finished Product

The foam insulation is a site-manufactured product.

### Plant – Raw Materials

Yantai City, Shandong Province, China

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