

PRODUCT CERTIFICATE

Vilpe Oy

manufactures and supplies product

VILPE® Roof Pass-Through for Modular Chimney

VILPE® Roof Pass-Through consist of pass-through element, sleeve and flashing sheet made of polypropylene, zinc-coated and painted upper flashing sheet and triangle sealing strips. The product is intended to be used as sealing between roof structure and modular chimney to prevent rainwater getting into structures from the joint between chimney and roof covering. The maximum width of the chimney can be 370 mm. The product can be used on tile roofing, profiled steel roofing, standing seam steel roofing and shingles roofing.

This certificate is, based according to certification criteria SERT R048, on initial type testing of the product and continuing inspection of manufacturer's factory production control. The performance of the products has been tested at Eurofins Expert Services Oy. A summary of the characteristics is presented below:

Characteristic	Test method	Result
Watertightness	EN 1027 mod. EN 12208 mod.	<u>Tested structures:</u> Tile roofing, inclination 11° Profiled steel roofing (brick pattern), inclination 11° Lock-seamed metal roofing, inclination 8°
Thermal resistance	Thermal and sootfire resistance EN 1443 mod. and EN 13216-1 mod.	The roof pass-through did not show any damages in the temperature class T 600 test or sootfire tests ^{1), 2)}

^{1), 2)} Further clarifications are given on page 2.

This certificate is valid until March 17, 2027 on condition that the product is not essentially changed and the manufacturer and Eurofins Expert Services Oy have a valid contract on quality control. To check the validity of this certificate, www.sertifikaattihaku.fi. Other conditions are listed on page 2.

Espoo, March 17, 2022

Tiina Ala-Outinen
Manager, Structural Testing

Tiina Tirkkonen
Senior Expert

This document has been signed electronically

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References of the table:

- 1) Highest measured surface temperature during the test:
 - T 600 test: modular chimney 113 °C, pass-through 88 °C
 - Sootfire test: modular chimney 67 °C, pass-through 53 °C
 - Modified T 600 test (test temperature 700 - 735 °C measured at 500 mm below the top of the chimney): modular chimney 140 °C, pass-through 111 °C
- 2) The condition of the sealings shall be checked annually and in case of sootfire.

The validity of the certificate will end, if the product falls into the scope of CE-marking.

Where reference is made in this certificate to any regulations, publications, standards or other documents, it shall be construed as a reference to such publication in the form of which it is in force at the date of this certificate.

The manufacturer is responsible for the quality and continuous quality control of the product. In granting this certificate, Eurofins Expert Services Oy does not accept responsibility to any person or body for any loss or damage incurred in respect of personal injury arising as direct or indirect result of the use of this product.

The use of the name of EurofinsExpert Services Oy or the name Eurofins in any other form in advertising or distribution in part of this certificate is only permissible with written authorisation from Eurofins Expert Services Oy.

This certificate is the English version of the original Finnish certificate no C-11596-16. In case of dispute the Finnish original of the certificate is valid.