

PRODUCT CERTIFICATE

Ruukki Construction Oy

manufactures

Products Sandwich panels SPA 150 E –SPA 230 E, SPA 200 + EE, SPA 150 E LIFE – SPA 230 E LIFE, SPA230 E LIFE FORMA, SPA 150 S – SPA 230 S and SPA 150 F – SPA 230 F

Products are prefabricated metal faced sandwich panels which are aimed to be used as burglar protection walls. The characteristics of the sandwich panels have been tested at Eurofins Expert Services Oy. The assessment is based on the test results and evaluation. A summary of the characteristics is presented below:

| Product | Testing Method | Requirement | Protection class |
|---|----------------|-------------|------------------|
| SPA150 E (0.6/0.5), SPA 200 E(0.6/0.5) and SPA 230 E (0.6/0.5) | SSF 1047 | 3 min | 1 |
| SPA 200+ EE (0.6/0.7) | SSF 1047 | 3 min | 1 |
| SPA150 E LIFE (0.6/0.5), SPA 200 E LIFE (0.6/0.5) ja SPA 230 E LIFE (0.6/0.5) | SSF 1047 | 5 min | 2 |
| SPA 200+ EE (0.6/0.5) with profiled sheeting reinforcement ¹ | SSF 1047 | 5 min | 2 |
| SPA230 E LIFE FORMA | SSF 1047 | 5 min | 2 |
| SPA 150S, SPA 175 S, SPA 200 S and SPA 230 S | SSF 1047 | 5 min | 2 |
| SPA 150 F, SPA 175 F, SPA 200 F and SPA 230 F | SSF 1047 | 5 min | 2 |
| SPA 150 F, SPA 175 F, SPA 200 F and SPA 230 F with plywood reinforcement ² | SSF 1047 | 10 min | 3 |
| SPA 150 F, SPA 175 F, SPA200F and SPA230F with profiled sheeting reinforcement ³ | SSF 1047 | 10 min | 3 |

^{1, 2, 3} Further clarifications are given on the backside.

This certificate is based according to certification criteria SERT R066 on an initial type assessment of the product and an initial inspection of the factory production control. According to the results products can be used as burglar protection walls.

This certificate is valid until October 28, 2025 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 the reverse side of the certificate.

Espoo, October 29, 2020

Heli Välimäki
Senior Expert

Tiina Ala-Outinen
Manager, Building Structures

This document has been signed electronically

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- ¹ Profiled sheeting (minimum height 18 mm, material thickness 0,6 mm) reinforcement on the back side
- ² Plywood (thickness 12 mm, type Wisa Form Birch with 9 plies) reinforcement on the back side
- ³ Profiled sheeting (height 20 mm, material thickness 0,6 mm) reinforcement on the back side

The validity of the certificate will be ended, 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 Eurofins Expert 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.