

# Sandwich panel SPA E Patina

Sandwich panel SPA E Patina is available in thicknesses 150 - 230 mm.

Ruukki® Patina panel is made of natural and untreated Cor-Ten® steel. The unique joint structure of the panel prevents corrosion at the joints (patent pending). The new, innovative panel is also maintenance free since it repairs scratches over time itself.

Using Ruukki's solutions you can receive more credits in LEED and BREEAM certification systems.

With the filling consisting of non-combustible and environmentally friendly mineral wool, this sandwich panel ensures excellent fire resistance. The gaskets integrated in the joint provide reliable airtightness of the panel as a standard.

## **Application:**

- External walls (standard fix)

**The method for joining Cor-Ten® steel-based sandwich panels, preventing corrosion formation in the joint, is patented.**





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# Properties

|                           |                                        |
|---------------------------|----------------------------------------|
| Model name                | Sandwich panel SPA E Patina            |
| Standard module width     | 1200 mm                                |
| Minimum length            | 2000 mm                                |
| Maximum Length            | 13500 mm                               |
| External facing thickness | 0.7 mm                                 |
| Internal facing thickness | 0.5 mm                                 |
| Air Tightness             | q50=0,01 m3/hm2 (pressure and suction) |

| Thickness D (mm)                                                              | 150       | 200       | 230       |
|-------------------------------------------------------------------------------|-----------|-----------|-----------|
| Weight (kg/m <sup>2</sup> )                                                   | 23.9      | 28.1      | 31.1      |
| U-value (W/m <sup>2</sup> K)                                                  | 0.26      | 0.20      | 0.17      |
| Sound insulation Rw (dB)                                                      | 30        | 31        | 31        |
| Reaction to fire                                                              | A2-s1. d0 | A2-s1. d0 | A2-s1. d0 |
| GWP-total, A1-A3 (kg CO <sub>2</sub> ◇/m <sup>2</sup> )                       | 31,4      | 33        | 34,1      |
| GWP-total, A1-A3 (kg CO <sub>2</sub> e/m <sup>2</sup> ) for Ruukki® LowCarbon | -         | -         | -         |

| Wall fire resistance values & max span horizontal / vertical orientation (m): | 150     | 200     | 230     |
|-------------------------------------------------------------------------------|---------|---------|---------|
| EI 30                                                                         | 7.5 / - | 7.5 / - | 7.5 / - |
| EI 60                                                                         | 7.5 / - | 7.5 / - | 7.5 / - |
| EI 90                                                                         | 6.0 / - | 6.0 / - | 6.0 / - |

Detailed information regarding the application of fire resistance ratings can be obtained from Ruukki Sales.

# Coatings and colors



External facing: Cor-Ten

## Materials

| Facing   | Coating             | Corrosivity category | UV resistance | Colours |
|----------|---------------------|----------------------|---------------|---------|
| External | Cor-Ten®            | C3                   | -             | -       |
| Internal | Polyester           | C3                   | -             | RR20    |
| Internal | Foodsafe laminate * | C4                   | -             | White   |
| Internal | Stainless steel     | C4                   | -             | -       |

*\*) optional material*

*UV resistance describes how well the coating is able to keep its original colour and gloss levels in accordance with EN10169. The higher the class, the better the resistance.*

*Corrosivity categories describe the outdoor climate conditions in accordance with EN12944. The higher the category, the more corrosive environment.*

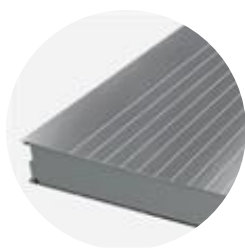
Surface variations



Flat F



Micro 15



Linear 50



Rib 150



Rib 200



Rib 600

| Facing   | Profile options                                        |
|----------|--------------------------------------------------------|
| External | Flat F                                                 |
| Internal | Flat F, Micro 15, Linear 50, Rib 150, Rib 200, Rib 600 |

## Design tools



### Traypan® software for designing sandwich panels

With TrayPan®, you can design metal faced sandwich panels made by Ruukki. A panel structure can be designed as a single- or multi-span construction. You can easily give, with a few parameters, both suction and pressure loads caused by the wind. The application also calculates the necessary fasteners.

[Go to Traypan®](#)



### Download BIM objects to your desktop

ProdLib brings Ruukki products as BIM models directly to your desktop in 3D form for design programs AutoCAD, Autodesk Revit, Archicad and Tekla Structures. Product libraries compile all necessary design models and detailed drawings in one place. Library updates are automatically notified, so as a user you can be sure that your product information is constantly up to date. ProdLib can also be used as a standalone desktop application.

[Go to BIM library](#)

## Technical documents

### Detail drawings



**Sandwich panel SPA Patina - detail drawings 05\_2025**

DWG, 1.6 MB



**Sandwich panel SPA Patina - detail drawings 05\_2025**

PDF, 1.0 MB

### Installation and maintenance instruction



**Sandwich panel Patina - installation and maintenance instructions 12\_2023**

PDF, 3.1 MB

## Sound insulation values



**Sound insulation values for sandwich panels and various structures 02\_2023**

PDF, 5.9 MB

## Certificates and approvals

### Environmental product declaration

### Intruder resistance certificate



**Sandwich panel Certificate on Burglary Protection Classes 1-3**

PDF, 324.0 KB



**SBSC Certificate Burglar protective walls SPA E LIFE, grade 2**

PDF, 247.9 KB