Parquet Three-Layer
# Parquet Three-Layer

## Product specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Construction:</th>
<th>Three-layer engineered board</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top-layer:</td>
<td>Oak veneer, other type of wood on request</td>
<td></td>
</tr>
<tr>
<td>Bottom-layer:</td>
<td>Softwood</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length x Width</th>
<th>500 x 100 mm / 600 x 120 mm / 700 x 140 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevron 45°</td>
<td>400 x 100 mm / 480 x 120 mm / 560 x 140 mm as drawing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thickness ²</th>
<th>Approx. 19 mm (± 0.5 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top-layer</td>
<td>Approx. 4.5 mm; glued waterproof and formaldehyde-free.</td>
</tr>
</tbody>
</table>

## Surface

- Schotten & Hansen pre-finished, permeable surface.
- Surface treatment with natural oils, resins and waxes.
- Schotten & Hansen surfaces can be regenerated without sanding or mechanical treatment.

## Wood moisture content

- On delivery: approx. 8 % ex works
- A special drying process during production reduces shrinkage and swelling behaviour of the floorboards after installation.

## Emissions

- Formaldehyde emission according to EN 14342: Class E1, measured as EN 717-1
- VOC-emission according ISO 16000: < 1 mg / m³

## Fire behaviour classification

- Cfl – S 1 according to EN 14342:2013

## General building inspectorate approval

- Z-156.607-1528

## Further features

- Boards grooved and tongued at the long sides.
- Face sides are grooved.
- Chamfer: 0.7 mm, 30°, other chamfer options on request;
- Possible installation patterns: Chevron 45°, Herringbone 90°

## Installation

- Full bonding with permanently elastic adhesive. Installation according to DIN 18356.
- Requirement on subsoil: Installation-ready subsoil according to DIN 18356 and DIN 18202 chart 3, line 4 increased requirements.
- Recommended adhesive: BONA R850 or adhesive of equal quality (adhesive used for installation has to be approved by general building inspectorate); suitable for gluing the floorboards on screed.

## Underfloor heating

- Schotten & Hansen parquet is well-suited for use in combination with underfloor heating with hot water or electrically.
- Heat conductivity λ [W/(m*K)]: top-layer oak 0.12 (calculated according to EN 14342:2013)
- Heat contact resistance R [m²K/W]: top-layer oak 0.16 (calculated according to EN 14342:2013).
- Maximum surface temperature of the floorboards: 29° C.

## Cleaning & Care

- Schotten & Hansen cleaning and caring products.
- Schotten & Hansen recommends the use of a floor polishing machine.
- For further information please see the cleaning and caring instructions or contact our service department: service@schotten-hansen.com

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¹ Dimensions may vary slightly due to production conditions.
² Other total thickness of boards possible on request.
Parquet Three-Layer

Colours

<table>
<thead>
<tr>
<th>Colour Code</th>
<th>Colour Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Pearl</td>
</tr>
<tr>
<td>02</td>
<td>Beach Shell</td>
</tr>
<tr>
<td>03</td>
<td>Honey Gold</td>
</tr>
<tr>
<td>04</td>
<td>Cinnamon</td>
</tr>
<tr>
<td>05</td>
<td>Antique Ivory</td>
</tr>
<tr>
<td>06</td>
<td>Oyster Dark</td>
</tr>
<tr>
<td>07</td>
<td>Smoke</td>
</tr>
<tr>
<td>08</td>
<td>Sepia</td>
</tr>
<tr>
<td>09</td>
<td>Corn Gold</td>
</tr>
<tr>
<td>10</td>
<td>Cognac</td>
</tr>
<tr>
<td>11</td>
<td>Havana</td>
</tr>
<tr>
<td>12</td>
<td>Mocha</td>
</tr>
<tr>
<td>13</td>
<td>Dark Clay</td>
</tr>
<tr>
<td>14</td>
<td>Chocolate</td>
</tr>
<tr>
<td>15</td>
<td>Black Olive</td>
</tr>
<tr>
<td>16</td>
<td>Black Cherry</td>
</tr>
<tr>
<td>17</td>
<td>Linen</td>
</tr>
<tr>
<td>18</td>
<td>Pebble Stone</td>
</tr>
<tr>
<td>19</td>
<td>Drift Wood</td>
</tr>
</tbody>
</table>

Subject to variations in colour between floorboards and display exhibits or samples, as far as these are due to the natural quality of the used material as well as customary.

Character Selection

1 Fine
Even and calm wood structure with few small knots and fine cracks, mended by hand.

2 Medium
Distinct wood structure with knots, shrinkage and wind cracks, mended by hand.

Treatment

1 Brushed
Accentuate the wood’s typical grain structure by brushing out early wood.

3 Shrunken
Special processes create an expressive surface with the character of naturally aged wood.

Version 1 Herringbone, 90° (dimensions in mm)

500
100
600
120
700

Version 2 Chevron, 45° (dimensions in mm)

500
100
45°
500
45°
500
45°
500
45°
600
45°
700

Herringbone

Chevron

Subject to variations in colour between floorboards and display exhibits or samples, as far as these are due to the natural quality of the used material as well as customary.

Available on request / selectable. Possibly not available in all colours and/or sizes. Customised products on request (minimum quantity).

Patented Schotten & Hansen surface treatment.

Other angle on request.

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Parquet Three-Layer

Further Information

Indoor climate and wooden floor
Wood is a natural material that is adjusting to the indoor climate. Wood absorbs moisture from the air and releases it again.

We would like to point out that during the heating period, the floorboards might strongly dry out and thus develop shrinkage cracks. Cracks caused by low air humidity during the heating period do not justify complaint.

With the maintenance of a comfortable and healthy indoor climate of 20°C and 50% relative humidity during the heating season, you can largely avoid the negative effects of this natural phenomena. Thermal- and hygrometers control the air in your rooms easily. In case the air is too dry, suitable measures for humidifying the air must be taken. We recommend you a humidifier control - hygrostat for obtaining a constant air humidity.

Installation should be carried out professionally by a trained Schotten & Hansen partner.

Bonding
The preparation of the subsoil is to be carried out in accordance with the guidelines of the adhesive manufacturer and relevant DIN standards.

For the bonding of all Schotten & Hansen floor products we recommend a solvent-free and elastic adhesive.

In the process of gluing, full bonding to the subsoil and a sufficient contact pressure during the setting has to be ensured.

Bonding on Screed
First, an inspection of the subsoil and the application requirements has to be conducted according to VOB Part B DIN 1961 and Part C DIN 18356.

Due to the large lengths and widths of some flooring products, increased care is required for the evenness of the subsoil.

Installation on underfloor heating
All Schotten & Hansen long boards are to be fully bonded with elastic adhesive to underfloor heating. Prior to this, a thorough inspection of the heating screed’s readiness for installation has to be carried out – in particular the heating protocol and the details of test points (pursuant to DIN standards) have to be documented by the screed layer. The adhesive must be suitable for bonding on an underfloor heating system.

Please observe the maximum surface temperature of 29°C.

Additionally, during a heating-period the air humidity should be improved. Otherwise the floorboards might strongly dry out and develop shrinkage cracks. Cracks caused by low air humidity during the heating period do not justify complaint.

Important measurements prior to installation:
• Switch off underfloor heating three days before installation.
• Measure moisture content of the screed.
• Keep room climate constant at 45% ± 5% relative air humidity. This also applies for the next few days after the installation (during this time increase underfloor heating by 5°C per day).
• Prepare a heating protocol.

All information on this data sheet is to be considered as advice and is based on empirical investigations according to today’s state of the art. Therefore, all provided information on the suitability, processing and application of our products, as well as technical advice and further particulars, do explicitly not release the customer and/or user from verifying the products’ suitability by means of their own tests.