

Perform Panel Technical Information

Construction:

Perform panels are manufactured using either a 5-layer or 7-layer plywood core or a moisture resistant/Exterior MDF. The boards are bonded to HPL (high pressure laminate) to the front face and a backing HPL to reverse. Our SE core is FSC and our NL core is PEFC certified and suitable for wet rooms. Panels are available in 2 forms; 'Straight Edge' (SE), or tongue and grooved' (Nu-lock/NL).

Where the long edges of the panels are supplied with the Nu-lock tongue and groove click system, FSC 7-layer birch plywood is used as the core substrate.

Paper forms the basis of high-pressure laminates. The paper is impregnated with phenolic and melamine resins, dried and compressed to form a hard wearing, stable coating and is resistant to most chemicals.

Nu-Lock (tongue and grooved) provides an easy to install, watertight and *aesthetically pleasing* solution and is an alternative to installing 2 panels with a straight joint profile (*Square Edge*).

Nu-Lock provides an easy to install, watertight and cost-effective solution. Supplied as standard with a tongue on one long edge and a groove on the opposite edge for an easy click installation system.

Note: there is generally no pattern alignment on standard panels.

Weights and dims:

Perform panel is supplied in an 11mm thickness in three standard sizes:

- 2400mm x 600mm (580mm working size for Nu-lock)
- 2400mm x 900mm (880mm working size for Nu-lock)
- 2400mm x 1200mm (1180mm working size for Nu-lock)

Application:

Perform panel® is designed for internal use, both in wet and dry rooms in commercial, domestic and public areas. It is predominately used in bathrooms, wet rooms, shower enclosures and areas that are exposed to water. Perform Panel® can also be used in several other applications requiring hygienic wall cladding.

Perform panel® can be fitted behind a cooker and/or oven however, there must be a minimum distance between these of 150mm.

Storage & Environments:

Prior to installation, the panels must be stored flat, covered and in a dry environment with the top panel, decorative surface facing down, to protect it from potential damage.

Being of timber construction, it is highly recommended that the panels are acclimatised within the area they are to be fitted - for at least 72 hours prior to install.

Perform Panel® must not be stored outside nor in areas of extreme humidity. Store in a cool dry place, laid flat, in conditions between 5-25 degrees Celsius. (see below).

Perform Panel® must be stored flat and should not be stored upright, nor leaning at an angle or against anything.

We recommend the following:

- Store in a dry, enclosed area between **5–25 °C** with relative humidity **45–60%**.
- **Minimum: ~5 °C**
Below this, moisture in the air can condense on the panels, and cores can contract, causing **warping or surface defects**.
- **Maximum: ~40 °C**
Above this, adhesives can soften, laminates can expand unevenly, and prolonged heat can lead to **delamination or surface bubbling**.

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Fitting/Installation:

We kindly ask that you inspect all panels prior to installation to ensure that they are:

- The correct effect/colour.
- Free from defects or damage.

Once installation begins, the panels are considered to have been accepted, as above. For this reason, any issues reported after installation will not be covered under your warranty and we will not accept liability for exchange/refund.

All Nu-lock panels must be dry fitted prior to installation to ensure the boards fit together correctly as per the installation guide.

Panels can be installed directly onto a concrete wall, plasterboard or over existing tiles. Timber framing may be required to achieve the flat, plumb surface required for fitting.

It is essential that any exposed core material on the panels is either sealed or covered. This can be achieved by using aluminium wallboard sections (profiles), which must be sealed before fitting.

Perform Panel® Adhesive is recommended to be used. 2 tubes to a 1200x2400mm board.

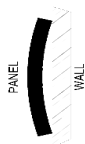
Perform Panel® Silicone is recommended to be used. 1 tube to a 1200x2400mm board.

No.6 x 18mm (3/4"), countersunk, anti-corrosive screws must be used; minimum 4no with a 600mm separation for fixing through the bottom flat area of the groove.

Perform Panel® can easily be cut with either a hand tool or a suitable power tool. If using a handsaw then cut with the decorative side face up, and if using an upward cutting circular saw then the decorative side should be face down.

Tolerances:

Curving Convex tolerance: 3mm



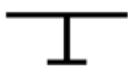
Curving Concave tolerance: 7mm



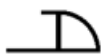
Profiles: ALL 2450MM LONG



END CAP



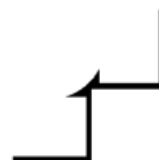
STRAIGHT JOINT



QUADRANT
END CAP



EXTERNAL
CORNER



INTERNAL CORNER

above available in: chrome, white, black, SAA (satin anodised aluminium), brushed brass & brushed black

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only available in mill finish / SAA



PANSEAL TRIM

only available in white

Cleaning & Maintenance:

Prior to fitting, ensure the surfaces which Perform Panel® adhesive/silicone are to be used are clean and dry.

The laminate surface is best kept clean by using a wet cloth and a mild detergent. On no account should scouring pads and harsh abrasive cleaning agents be used, doing so will invalidate your warranty.

Warranty:

A 35-year warranty is offered on Perform Panel® - on the condition they have been fitted as per our recommendations and our detailed installation guidelines followed.

The Warranty does not cover our 35-year promise to you due to the below failings:

- Incorrect installation – against our instructions.
- Incorrect storage. These panels must be stored flat and climatized to the room for 72 hours. They must not be stored vertically, or between trestles under any circumstances, be that by a contractor or customer; please refer to instructions.
- Wrong cleaning agents used – again, please refer to cleaning & maintenance.
- Transport/handling.
- Damage or misuse, irrespective if caused by contractor or customer/end user.
- Differing colour matches/sheen levels between panels and profiles once fitted.

The warranty does not cover any labour, inconsequential nor incidental costs or losses. If recommendations are not followed it may affect warranty.

This document relates to all technical information for Perform Panel. For technical guides, installation or information relating to any of our other products then please contact the sales office customerservices@performpanel.co.uk.

We take great care to ensure all panels arrive in excellent condition. To help us support you fully, we kindly ask that you inspect all panels prior to installation. Once installation begins, the panels are considered to have been accepted as free from defects or damage. For this reason, any issues reported after installation will not be covered under your warranty.