

Strongbond Plywood Underlayment

Features

- 5.2mm thickness with 1220mm in length and 1220mm in width
- Meets low formaldehyde E0 emission rating (not greater than 0.5mg/L)
- Nominal Density is 615kg/m³
- Moisture 6 to 12%
- 4.81Kg per sheet
- Natural Brown colour

STRONGBOND Plywood Underlayment is an underlayment predominantly used for use over wood sub-floors to provide a smooth and even finish for resilient floor coverings.

Packaging:

90 sheets loosely stacked on a pallet.

Storage:

Strongbond Ply Underlay should be stored flat, protected from the elements, and placed on timber bearers with a maximum spacing of 600mm. Avoid storing it in direct sunlight, damp areas, or excessively hot and dry buildings.

Requirements:

To achieve the required performance level for your floor, it is essential to follow these installation instructions, as well as the guidelines provided by the floor finish material supplier and the adhesive supplier. This document should be used in conjunction with the current NZ/AS Flooring and relevant Building Standards. Formaldehyde Testing has been done to the following Standards: GB18580-2017GB / T17657-2013.

Site Conditions:

Sufficient underfloor ventilation is crucial to prevent additional warping and excessive movement of the subfloor, underlay, and top surfaces. This is especially important when using impervious top floor coverings, as these can trap moisture within the floor, potentially causing flooring issues. Before delivering the plywood to a job site, ensure that the environment is as close to its final state as possible. The structure should be weather-tight, and interior climate controls should function for at least 48 hours to stabilise interior conditions. Moisture levels of the flooring, subfloor, and timber structural supports must be measured and recorded before starting any work.

Existing timber, plywood, or particleboard subfloors intended for use must be filled, sanded, dry and structurally sound before ply installation. While Strongbond Plywood underlay is manufactured to high-quality standards, it is the installer's responsibility to perform a final inspection of each panel before installation. Ensure that each panel is free from defects.

Material:

Premium Poplar timber and Bingtongor timber.

Pre-Installation:

The underlay must be properly acclimated before installation. It is essential for installers to be aware of the flooring's moisture content at the time of delivery and its anticipated moisture content during use. To accurately assess moisture levels, a moisture meter must be utilised to measure not only the ply underlay but also the subfloor and any concrete slab beneath it. Installation should only proceed once the subfloor's moisture measurements are satisfactory and the plywood has been acclimated to the job site conditions.

To aid in acclimation, separate the ply underlay panels and position them vertically in each room where they will be installed, ensuring they remain in this position for at least 24 hours. This allows for proper air circulation on both sides of the panels. If the moisture content of the plywood is already similar to the job site environment, acclimation may not be necessary.

Installation:

Arrange the underlay panels before fastening to ensure the best fit within the room. Strongbond Ply underlay edges should be positioned at least 20cm away from subfloor joints. Align panel edges together with a 0.4mm gap, while staggering sheets at half-panel intervals (Brick Pattern) to avoid four corners meeting at a single point. Measure and mark any panels that require cutting. Maintain a 3mm gap between the panel edges and the wall to allow for expansion. Ensure factory-cut edges are fitted together, while job site cuts should face the wall and never be aligned with factory-cut edges. For best practice, we would recommend trowel gluing the plywood sheets with Latex Acrylic or PVA based adhesive such as RLA 265, STRONGBOND 888 or STRONGBOND DIY Adhesives. A Staple sequence of 100 mm centers, 25mm spacing at the board edges and 10mm in from the board edge can be applied using suitable 22mm corrosion protected staples. A stapling test should be carried out and air pressure adjusted to ensure correct staple penetration depth. Staple sequence and air pressure should be adjusted to suit the subfloor.

To ensure a suitable, smooth surface, sand all panel s and panel edges thoroughly until they are smooth. Fill any voids, chipped edges, and gouges with a patching compound approved by the top surface flooring supplier. Allow the patching compound to fully cure\dry. Once fully dry, re-sand and reapply patching compound if needed.

Issues with "telegraphing" seams are typically not caused by defective underlayment panels but are often due to two primary factors:

- Improper installation, including the excessive use of patching compound and failure to level all seams through sanding or preparation.
- Changes in site conditions, such as expansion caused by trapped moisture or movement within the subfloor.

If there is structural movement or significant fluctuations in the building's relative humidity, filling expansion joints is not recommended until conditions are appropriately rectified.

Safety Precautions:

Always wear correct safety PPE gear during installation of this product.

Disclaimer: The technical details, recommendations and other information contained in this product's data sheets are given in good faith and represent the best of our knowledge and experience at the time of printing. It is customer's responsibility to ensure that products are used and handled correctly and in accordance with any applicable local Standard, our instructions and recommendations are only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. The supply of our products and services is subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

For more information, please check www.islimport.com

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