



Product Specification

for Nuance HPL Product

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ENGINEERED WATERPROOF PANEL SYSTEM

1. Material description and composition

nuance® Engineered Waterproof Panels are available in different variations & sizes with postformed outer edges and/or a tongue and groove joining system that can be used in combination for wall cladding a wide variety of bathroom design layouts.

The 11 mm thick panel system is uniquely manufactured using a composite substrate with a synthetic, homogenous core that is 100% water resistant.

The panels are individual faced with decorative and textured High-Pressure Laminate (HPL). The backside is faced with plain white High-Pressure Laminate (HPL).

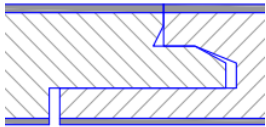
The panels are characterised by excellent rigidity and toughness but are light weight. For use in moist environments, this material evidences good dimensional stability and is not susceptible to decay, rotting and other degeneration processes.

The panels must always be installed using Complete adhesives and coloured sealants

2. Technical data

Technical data		Structure	
Dimensions	2420 mm x 1200 mm 2420 mm x 160 mm Postformed one long edge Tongue and groove one long edge	1	Décor side/Front face: Decorative HPL
	2420 mm x 600 mm 2420 mm x 1200 mm Tongue and groove both long edges		
Panel thickness	2420 mm x 580mm Postformed on two long edges		
	11 mm nominal Décor dependent – ranges 11.3mm to 11.7mm		
Tolerances:	length: ± 1.5 mm	2	Substrate: Composite core material 10.1 mm
	Width: ± 1 mm		
	edge straightness: ± 1.5 mm/m	3	Rear face: Plain White HPL
	squareness: ± 1.5 mm/m		

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Classifications nuance® engineered waterproof panel			
	Testing method norm	Unit	Value
Abrasion resistance (initial wear point-IP)	EN 14323	Revolutions [U]	≥ 150
Resistance to scratching	EN 438-2	[N]	≥ 3
Resistance to staining	EN 438-2	[Level] Group 1&2 Group 3	≥ 5 ≥ 4
Lightfastness	EN 438-2	[Grey scale]	≥ 4 - 5
VOC emission	French legislation	class	A
Weight		kg/m ²	9 kg/m ²
Postforming Edge		mm	Radius 8mm
Reaction to fire classification	Euroclass	EN 3 501-1	E
Tongue and groove			

3. Storage and transportation

nuance® Engineered Waterproof Panels must be stored on a horizontal, flat, level and sufficiently large base in a closed warehouse under normal indoor climatic conditions (18-25°C and 50-65% relative humidity). In medium term storage the panels should always be covered and weighted, for example with a 38mm particle board panel. In addition, the panels should be protected from moisture and mechanical damage.

nuance® Engineered Waterproof Panels should be transported on a horizontal, flat, level and sufficiently large base board with protection against slippage and side damage. In addition, the panels should be protected from moisture and mechanical damage.

In terms of transportation conditions **nuance® Engineered Waterproof Panels** are not deemed to be dangerous goods, so labelling is not necessary.

4. Practical advice on the use of nuance® Engineered Waterproof Panels

4.1 General

nuance® Engineered Waterproof Panels are designed with decorative and functional properties for interior applications in wet areas such as bathrooms, showers, and behind handwash basins and WCs in residential areas.

nuance® Engineered Waterproof Panels must only be used indoors in normal conditions (18-25°C / 50-65% relative humidity).

The installation of **nuance® Engineered Waterproof panels** is covered by specific installation instructions and guidelines. Installation instructions are packed with every panel and are available at our website www.bushboard.co.uk

The panels must always be installed using Complete adhesives and coloured sealants. The bonding side of **nuance® Engineered Waterproof panels**, designed for gluing on wall substrates should be clean, dry and free of dust, oil and grease.

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The bonding to preliminary wall treatments is dependent on the type of treatment; always fully observe the instructions for use issued by the treatment manufacturer before applying nuance® Engineered Waterproof Panels.

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4.2 Conditioning

Before installing the panels should be stored for 24 hours at normal indoor temperature. (18 – 25°C; relative humidity 50-65%).

These conditions should then be maintained in the room post installation and until the room is commissioned.

4.3 Wall substrate

Walls must be dry, clean, stable and flat. Ensure that the surface flatness variance is within ± 2 mm over 2000mm.

nuance® Engineered Waterproof panels can be bonded to various types of plaster, gypsum and cement, plasterboard and gypsum, fibreboard, various types of wood-based panels such as particleboard, MDF and OSB.

On stone and ceramic surfaces: clean thoroughly and key the surface before applying the panels.

nuance® Engineered Waterproof Panels are not intended to carry the weight of bathroom fittings, fittings or accessories. Always ensure these items are fixed through the panel and the weight carried by the wall structure.

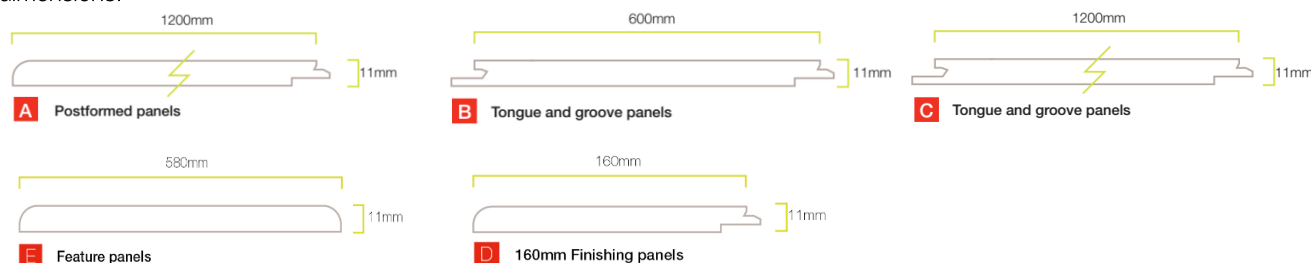
More detailed information for use of **nuance® Engineered Waterproof Panels** can be found in the installation instructions available packed with every panel or at www.bushboard.co.uk

5. Types

Finishes: HPL decorative designs

Textures: Gloss, Glaze, Roche, Grain, Riven, Quarry, Ultramatt, Fa, Selva

dimensions:



6. Maintenance, Care and Cleaning

nuance® Engineered Waterproof Panels are robust and do not require special care thanks to the non-porous surface.

Nuance panels are easy to maintain. On a day to day basis wipe them down with a moist cloth and a mild detergent.

Use only clean, soft cloths, soft sponges or soft brushes to clean the panels.

Do not apply waxes or polishing agents.

Do not use abrasive cleaners, strongly acid cleaners or strong bleaches.

Limescale can be removed with a warm solution of 10% acetic or citric acid. Followed by clean warm water.

Never use high pressure cleaners and steam cleaners.

7. Environmental and Health Aspects in Use

Observe normal health and safety rules when processing the panels in terms of weight, dust and sharp edges.

The dust produced when processing **nuance® Engineered Waterproof Panels** can cause skin and respiratory irritation. Therefore, ensure that a dust extractor is used for all cutting operations and wear appropriate PPE.

8. Waste disposal

nuance® Engineered Waterproof panels waste is classified in accordance to the regulation of the European Waste Catalogue (EWC)

to the six-digit waste code EWC 200 301 and the waste definition "mixed waste" and may be disposed of as domestic waste or commercial waste.

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9. Guarantee

nuance® Engineered Waterproof panels must be installed with Complete adhesive and coloured sealant. This is a condition of our guarantee.

nuance® Engineered Waterproof panels are guaranteed for 15 years. We will make good by repair and/or replacement (at its our discretion) any **nuance® Engineered Waterproof panels** of its manufacture which can be shown to have failed by reason of defects in this manufacture, subject to wear and tear provided the product has been installed and used in accordance with the manufacturer's instructions and that the products are used for their intended purpose. Proof of date and place of purchase required.

All the information contained in this product data sheet is based on the latest technological know-how but does not constitute a guarantee. Indeed, we assume no guarantee of suitability for specific areas or purposes of application.