

1. Material description and composition

Wetwall™ Elite Engineered Panel Solutions are available in different variations & sizes with postformed outer edges and/or a tongue and groove jointing system that can be used in combination for wall cladding a wide variety of bathroom design layouts.

The panel system is uniquely manufactured using a composite substrate with a synthetic, homogenous core that is 100% water resistant when installed following manufacturers guidelines and using the recommended adhesives and sealants

The panels are characterised by excellent rigidity and toughness but are light weight.

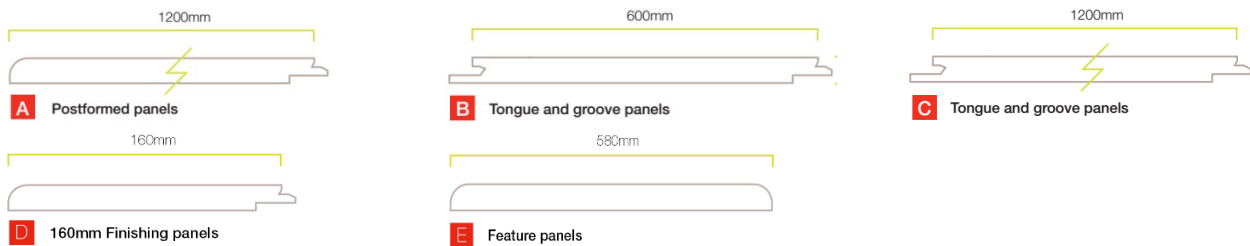
For use in moist environments, this material evidence's good dimensional stability and is not susceptible to decay, rotting and other degeneration processes.

2. Types

Finishes: Various decors – Please refer to Product brochure

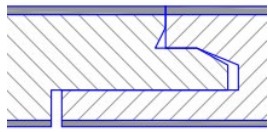
Textures: Various textures – Please refer to Product brochure

Dimensions:



3. Technical data

DIMENSIONAL PROPERTIES		STRUCTURE	
Dimensions	2420 mm x 1200 mm 2420 mm x 160 mm Postformed on one long edge and a tongue on other long edge	1	Décor side/Front face: Decorative HPL 0.6 mm ± 0.1 mm 0.8 mm ± 0.1 mm
	2420 mm x 1200 mm 2420 mm x 600 mm A tongue on one long edge and a groove on other long edge		
Panel thickness	2420 mm x 580mm Postformed on both long edges	2	Core: Composite core material 9 mm ± 0.2 mm
	Décor dependent – Ranges from 9mm to 10.7mm		
Tolerances:	Length: ± 1.5 mm	2	
	Width: ± 1 mm		
	Edge straightness: ± 1.5 mm/m		
	Squareness: ± 1.5 mm/m		
	Flatness: ≤ 3 mm/m		

MECHANICAL PROPERTIES			
	STANDARDS TESTING METHOD	UNIT	MINIMUM REQUIREMENT
Impact resistance (Large diameter ball) (Drop height for ≤ 10mm diameter imprint)	EN 438-2-21	mm	≥ 300
Post forming Edge		mm	Radius 8mm
Tongue and groove			
Resistance to water immersion – Cold water 20°C, 7 days		%	Thickness mean swell 1.6 Water absorption 2.3
Resistance to water immersion – Hot water 70°C, 7 hours		%	Thickness mean swell 3.05 Water absorption 1.72
SURFACE PROPERTIES			
Resistance to abrasion	EN 438-2-10	No. of revolutions	HGP – GRANIT: ≥ 450/ Others: ≥ 150 VGP – EPM: ≥ 100/Others: ≥ 50
Resistance to scratching	EN 438-2-25	N	≥ 3
Resistance to staining	EN 438-2-26	Level Group 1&2 Group 3	≥ 5 ≥ 3
Colour fastness under artificial light	EN 438-2-27	Grey scale	≥ 4 - 5
Surface Soundness	EN 311:2002	N/mm ²	≥ 1
HEALTH AND ENVIRONMENTAL CHARACTERISTICS			
VOC emission	ISO 16000-9	Class	A

4. Practical advice on the use of Wetwall™ Elite Engineered Panel Solutions

4.1 General

Wetwall™ Elite Engineered Panel Solutions 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.

Wetwall™ Elite Engineered Panel Solutions must only be used indoors in normal conditions (18-25°C / 50-65% relative humidity). The installation of **Wetwall™ Elite Engineered Panel Solutions** is covered by specific installation instructions and guidelines. Installation instructions are packed with every panel and are available at our website www.wetwall.co.uk

The panels must always be installed using **Wetwall™** approved adhesives and coloured sealants. The bonding side of **Wetwall™ Elite Engineered Panel Solutions**, designed for gluing on wall substrates should be clean, dry, and free of dust, oil, and grease.

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 **Wetwall™ Elite Engineered Panel Solutions**.

4.2 Storage and transportation

Wetwall™ Elite Engineered Panel Solutions 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.

Wetwall™ Elite Engineered Panel Solutions 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 **Wetwall™ Elite Engineered Panel Solutions** are not deemed to be dangerous goods, so labelling is not necessary.

4.3 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.

4.4 Wall substrate

Walls must be dry, clean, stable, and flat.

Wetwall™ Elite Engineered Panel Solutions 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 ceramic surfaces: clean thoroughly and key the surface before applying the panels.

Wetwall™ Elite Engineered Panel Solutions 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 **Wetwall™ Elite Engineered Panel Solutions** can be found in the installation instructions available packed with every panel or at www.wetwall.co.uk

4.5 Maintenance, Care and Cleaning

Wetwall™ Elite Engineered Panel Solutions are robust and do not require special care thanks to the non-porous surface.

Wetwall™ Elite Engineered Panel Solutions 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.

4.6 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 **Wetwall™ Elite Engineered Panel Solutions** can cause skin and respiratory irritation. Therefore, ensure that a dust extractor is used for all cutting operations and wear appropriate PPE.

4.7 Waste disposal

Wetwall™ Elite Engineered Panel Solutions waste is classified in accordance with 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.

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.