



Product Specification

for Nuance Acrylic Product

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1. Material description and composition

nuance® Engineered Waterproof Panels are available in different design and sizes and can be used for wall cladding for bathroom layouts.

The 3.7 mm thick panel system uniquely manufactured which has great optical and mechanical properties which offers excellent impact strength with good weathering and ageing resistance along with superior cleaning capabilities that is 100% water resistant.

The panels are individual faced with Advanced Surface Technology applied to a water-resistant substrate. The decor side is faced with Advanced Surface Technology with a décor applied to the reverse side of the surface with a grey water resistant finish. The opposing side is where the finished décor can be viewed through the acrylic substrate on removal self-adhesive film.

nuance® Engineered Waterproof Panels High impact sheets can be used in contact with food.

nuance® Engineered Waterproof Panels High impact clear sheets are extruded from a high-quality raw material Polymethyl methacrylate which meets the compositional requirements of EU directive 10/2011 relating to plastic materials and articles which come into contact with foodstuffs. A detailed certificate of conformance is available from our supplier’s customer service department.

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 Nuance Complete adhesives and coloured sealants

2. Technical data

Technical data		Structure	
Dimensions	2440 mm x 1220 mm		1 Décor side/Front face: Digital print process using Advanced Surface Technology
Panel thickness	3.7 mm		
Tolerances:	length: + 9 mm Width: + 6 mm -1220 mm + 3 mm – 600 mm edge straightness: max 1.4 mm edge squareness squareness: max 2 mm over corner to corner squareness		
		3 Rear face: Light grey water resistant coating used for bonding	

Classifications nuance® engineered waterproof panel			
	Testing method norm	Unit	Value
Ball Indentation hardness	ISO 2039-1	rating	235 MPa
Surface adhesion (Cross hatch test)	ISO 2409	[Gt]	≤ 2
Density (W)	ISO 1183	g/cm ³	1.19
Reaction to fire	EN 13501	Euroclass	Euro Class E (formerly Germany B", France M4)
Tensile Strength	ISO 527-2	MPa	70
Impact strength Charpy Unnotched	ISO 179-1	KJ/m ²	17
Service temperature continuous use		°C	70
Max temperature short term use		°C	90
Contact with Foodstuff	VO (EU) 10/2011		Pass

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. 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 Nuance 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.

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**.

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. Maintenance, Care and Cleaning nuance® Engineered Waterproof Panels

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% aqueous acetic acid. Followed by clean warm water.

Never use high pressure cleaners and steam cleaners.

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 swarf produced when processing **nuance® Engineered Waterproof Panels** beware of sharp edges during cutting operations and wear appropriate PPE.

7. 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 municipal waste" and may be disposed of as domestic waste or commercial waste.

8. Guarantee

nuance® Engineered Waterproof Panels must be installed with Complete adhesive and Complete 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.