

WATERPROOF PANELLING SYSTEM

## NUANCE



### Hygienic



Easy to clean



Antibacterial



Anti mold / fungus

### Resistant to



Waterproof system



Abrasion



Scratches

### Application



Ideal for renovations



Easy to install



Light



Easy to cut



Clean installation

## 100% Waterproof

Easy to install and no edge trims

- Easy, clean and quick to install, thanks to tongue-and-groove joints
- Easy to clean, thanks to its high pressure laminate (non-porous) surface
- Completely waterproof screen thanks to the Safe & Connect system
- Easy to cut and drill on site
- Large-scale decorative effect

- Ideal for renovations, can be used instead of or on top of existing tiling without having to smooth the surface down first, or moisture resistant plasterboard.
- A large range of decors to match Polyrey products (High Pressure Laminate (HPL), Melamine Faced Board, Compact HPL) for optimal combinations for furniture, doors, bathroom and toilet cubicles, etc.
- Reaction to fire – system (Euroclass): E  
Reaction to fire – panel: M3

## Safe & Connect

Patented system of wet wall with a tongue and groove assembly finished with a rounded edge without profile required.



Finishes **6** **33** Decors

## Optimised complementarity

Polyrey HPL®: **28**  
decors

Panoprey®: **21**  
decors

Door sizes  
Polyrey HPL®: **17**  
decors

Reysipur®: **28**  
decors

## Sizes & applications

### SIZES

260 × 120 cm rounded edge / tongue

260 × 120 cm tongue / groove

260 × 60 cm tongue / groove

### THICKNESSES

11,7 mm

### APPLICATIONS

- Shower wall covering
- Bath wall covering
- Full-height wall covering for the entire wetroom
- Toilet covering
- Splashbacks for bathroom sinks

## Adhesive & Sealant

Use the Complete range of adhesives and waterproof sealants to validate your 15-year\* guarantee.

### ADHESIVE:

290ml tube.

1 tube is approximately 2.50 m<sup>2</sup>.

### SEALANT:

290ml tube.

1 tube is approximately 20 linear meters.

Available in several colours, to match the decors in the Nuance range.



## Maintenance and application

For more information, see our **care manual** and **installation sheets** available on [www.polyrey.com](http://www.polyrey.com)

## Labels



\* Warranty conditions in the Installation Guide.

## 1. DESCRIPTION AND COMPOSITION OF THE PANEL

We manufacture our Nuance panels using a unique technique. First we take a decorative, textured POLYREY HGP High-Pressure Laminate panel that is certified to EN 438 and ISO 4586 and we bond it to one side of a composite moisture-resistant substrate using a PUR Hot Melt polyurethane adhesive that is highly resistant to moisture and high temperatures. Then we bond a white or grey VGP High-Pressure Laminate backer to the other side of the substrate.

## 2. TECHNICAL INFORMATION

Evaluated according to EN438



	QUALITY	Moisture resistant	
	FINISHES	BRILLANT - EXTRAMAT - FA - GRANIT - LINIMAT - SELVA	
	THICKNESS (mm)	11,7	
CHARACTERISTICS	STANDARD (Test method)	UNIT	VALUE
<b>Technical characteristics</b>			
Dimensional tolerances	EN 438-2-5 and 6	mm	Height: $\pm 1.5$ Width: $\pm 1.0$ Thickness: $+ 0.4 / - 0.2$
Edge straightness	EN 438-2-7	mm/m	$\pm 1.5$
Flatness (Longitudinal / Transverse)	EN 438-2-9	mm/m	- cross direction 600 mm: $\leq 1.5$ mm - cross direction 1200 mm: $\leq 4$ mm - long or cross direction: 1000 mm $\leq 3$ mm
Mass per unit area		kg/m <sup>2</sup>	9
Postformed edge		mm	8 mm radius
Impact resistance (small-diameter ball)	EN 438-2-20	N	$\geq 25$
Impact resistance (height from which a falling 324 g ball creates an imprint on the panel $\leq 10$ mm)	EN 438-2-21	mm	$\geq 1000$
Resistance to immersion in cold water (20°C) for 7 days		%	Increase in thickness: 1.6 Increase in mass: 2.3
Resistance in wet areas (48 hrs at 65°C)	EN438-2-15 (modified)	Appearance Increase in mass Increase in thickness %	Aspect $> 5$ (No alteration) Increase in mass $< 6.5$ Increase in thickness $< 2$
Dimensional stability at high temperature (70°C) and high humidity (40°C, 95% relative humidity)	EN 438-2-17	Cumulative dimensional change (%)	Length $\leq 0.30$ Width $\leq 0.60$
<b>Surface characteristics</b>			
Abrasion resistance	EN 438-2-10	No. of revolutions	Granit: $\geq 450$ Others: $\geq 150$
Scratch resistance	EN 438-2-25	N	BRILLANT: Grade 2 (2N) All others: Grade 3 (4N)
Stain resistance	EN 438-2-26	Level Groups 1 & 2 Group 3	5 (No alteration) $\geq 4$ (Slight alteration visible from certain angles)
Colour fastness to artificial light	EN 438-2-27	Greyscale	$\geq 4 - 5$
Surface bond strength	ISO 13894-1-9	N/mm <sup>2</sup>	$\geq 1.0$

### 3. CERTIFICATION AND TESTING

CHARACTERISTICS	STANDARD	UNIT	VALUE
<b>Fire resistance characteristics</b>			
Reaction to fire classification	EN13501	Class	E
	NFP 92-501	Class	M3
<b>Health and environmental safety</b>			
VOC emissions	ISO 16000-9	Class	A
Formaldehyde emissions	EN 717-1		E1
Antibacterial properties	JIS Z 2801	% reduction	> 99,9

### 4. STORAGE AND TRANSPORT

Nuance panels and Complete adhesives must be stored in a closed, dry space at normal indoor conditions of 10 to 25°C and 40 to 60% humidity.

If Complete adhesive and Complete sealant are kept in their original packaging, they will keep for 12 and 18 months, respectively, from the date of delivery.

The panels must be stored and transported on a flat, rigid, sufficiently large horizontal base that prevents them from sliding around and protects them from being damaged on the side. The panels must also be protected against moisture and mechanical damage.

As regards transport requirements, the Nuance panels and Complete adhesives are not considered dangerous goods, so they do not need to be labelled.

### 5. INSTALLATION

#### Preparation

Before installing the panels, allow them to acclimatize for at least 24 hours at normal indoor conditions of 18 to 25°C and 40 to 60% humidity. These conditions must be maintained in the room after installation until the panels are used.

#### Preparation of the background

Nuance panels can be installed on various backgrounds, including moisture-resistant plasterboard, tiling and wood.

The walls must be clean, stable, dry (< 5% humidity) and flat (≤ 2 mm variance per linear metre). If the walls show signs of dampness, this must be eliminated and treated beforehand. Waterproofing treatments for interior walls may affect how a Nuance panel binds to a background. Always meticulously follow the instructions for use of the waterproofing treatment manufacturer before installing our Nuance panels.

These panels are not designed to bear the weight of bathroom accessories and connections. Always make sure that such items are attached through the panel to the substrate behind it and that the weight is being borne by the substrate.

#### Processing

The panels can be cut and drilled using woodworking tools with carbide-tipped blades and bits.

Leave expansion gaps along the floor and ceiling, in the corners and around cuts to provide room for the panels to expand and for the sealant to be applied.

## Bonding

Nuance panels must always be installed using Complete adhesive and coloured sealant. Continuous beads of the adhesive must be applied to the back of the panel, which must be clean, dry and free from dust, oil or grease.

► *Please refer to the technical data sheets for the Complete adhesive and sealant at [www.polyrey.com](http://www.polyrey.com).*

Information on installing Nuance panels is provided in specific installation guides. An assembly guide comes with each panel and may be downloaded from [www.polyrey.com](http://www.polyrey.com).

## 6. MAINTENANCE, CARE AND CLEANING

The Nuance product range is hard-wearing. Their non-porous surface means that they do not require any special care or maintenance and stops mould and fungus from developing.

Nuance features a Sanitized® antibacterial treatment containing silver ions that slows the proliferation of 99.9% of bacteria. This treatment supplements cleaning and disinfection protocols.

The panels are easy to maintain. For daily cleaning, simply wipe them with a damp cloth and a gentle cleaning product.

Only use clean, soft cloths or sponges to clean the panels.

Always thoroughly wipe the panels to ensure no residue remains.

Limescale can be removed with a cleaning product or a warm solution with 10% citric or acetic acid followed by a rinse with warm water. Wipe the surface off at the end to eliminate any residue.

Bathroom cleaners that contain bleach may be used occasionally but must be immediately rinsed off to prevent any discolouration of the panel's surface.

Do not apply any wax or polishing products to the panels.

Do not use abrasive or highly acidic cleaning agents or powerful bleaching agents.

Never use steam cleaners or high pressure washers.

► *For more information on care and maintenance, please refer to the Care Manual at [www.polyrey.com](http://www.polyrey.com).*

## 7. HEALTH AND ENVIRONMENTAL SAFETY

Nuance panels are manufactured in production facilities certified to ISO 9001 and ISO 14001.

Their formaldehyde emission levels are well below the required legal limit for wood-based materials.

Test reports on VOC emissions are available for A ratings in tests on walls with a loading factor of 1.0 m<sup>2</sup>/m<sup>3</sup>.

Because Nuance panels are products and not chemicals, the REACH regulation does not apply to them. Nevertheless, it is important to exchange information with raw materials suppliers regarding any substances that might be relevant under REACH (see REACH statement).

The Sanitized® antibacterial treatment on the Nuance panels is free from nanoparticles. It contains a biocide whose active ingredient is silver phosphate glass which complies with the REACH and European Biocidal Products regulations.

Follow all the usual health and safety precautions when processing these panels with regard to weight, dust and sharp edges. Use appropriate personal protective equipment.

The dust produced by processing technical panelling solutions may irritate the skin or lungs, so use a dust collector whenever cutting wood and wear appropriate personal protective equipment.

## 8. WASTE MANAGEMENT

Waste from our panels is classed according to the European Waste Catalogue under the six-digit waste code 20 03 01. It is defined as «mixed municipal waste» which can be disposed of as household or commercial waste.