POLYREY®

WATERPROOF PANELLING SYSTEM

WETWALL™ NUANCE

Hygienic

Easy to clean

Antibacterial

Anti mold / fungus

Resistant to

Waterproof system

Abrasion

Scratches

Application

Easy to install without profile

Ideal for renovations

Quick to install

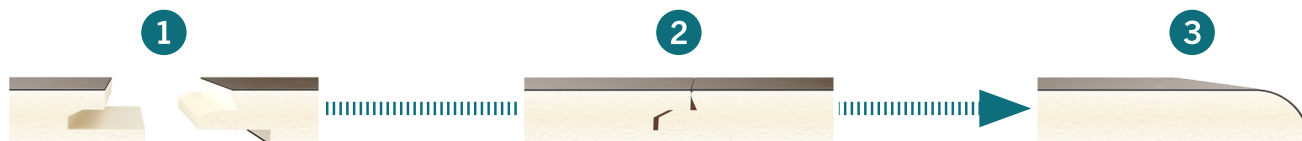Light

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 system thanks to the Safe & Connect system and compliance with installation recommendations. Easy to cut and drill on site
- Large-scale decorative effect
- Coloured sealants that are resistant, long-lasting and almost invisible.

- 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.

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Technical Data Sheet

Sizes & applications

SIZES:
260 × 120 cm *rounded edge / tongue*
260 × 120 cm *tongue / groove*
260 × 60 cm *tongue / groove*

THICKNESS:
11.7 mm

Adhesive & Sealant

The Complete adhesive and seal have been developed and tested specifically for Nuance panels.
Use Complete adhesive and sealants to validate the 15-Year Guarantee*.

ADHESIVE:
A professional high strength adhesive that's ideal for all bonding needs. The quick grab formula is 100% waterproof, odorless and bonds to most clean dry surfaces including wood, plastic, brick, plasterboard, metals. Gap filling with no shrinkage and flexible once cured, it's easy to use with a 10 to 15 minutes open time, depending on temperature and humidity conditions.
Size: 290 ml - 2.5 tubes for a 260 x 120 cm panel

SEALANT:
Available in 14 specially formulated colours, plus clear, this high performance waterproof sealant that's ideal for all sealing and finishing needs. Odorless and easy to use with a 20 to 45 minutes open time, depending on temperature and humidity conditions. 100% waterproof formula with no shrinkage and flexible once cured, it anti-fungal protection provides a long-lasting waterproof seal.
Size: 290 ml - 1 tube for 10 lm

Maintenance and application

*For more information, see our **maintenance** and **application datasheets** available on www.polyrey.com*

Labels

ATEx
N° 2977
Système sous
CSTB
Centre scientifique et
technique du bâtiment

ÉMISSIONS DANS L'AIR INTÉRIEUR*
A
A+ A B C

ANTIBACTÉRIEN
ANTIBACTERIAL
Contains biocidal substance
silver phosphoborate glass

*The 15-year guarantee is a product guarantee. It covers only manufacturing defects in Nuance panels. Its validity is subject to the application of the installation recommendations, including the use of the Complete adhesive and joint, and strict compliance with the maintenance recommendations (documents available on www.polyrey.com).

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
Technical characteristics			
Dimensional tolerances	EN 438-2-5 and 6	mm	Height: ± 1.5 Width: ± 1.0 Thickness: + 0.4 / - 0.2
Edge straightness		mm/m	± 1.5
Flatness (Longitudinal / Transverse)	EN 438-2-9	mm/m	≤ 3
Weight		kg/m²	9
Postformed edge		mm	8 mm radius
Impact resistance (small-diameter ball)	EN 438-2-20	N	≥ 25
Impact resistance (height from which a falling 324 g ball creates an imprint on the panel ≤ 10 mm)	EN 438-2-21	mm	≥ 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 ≤ 0.30 Width ≤ 0.60
Surface characteristics			
Abrasion resistance	EN 438-2-10	No. of revolutions	Granit: ≥ 450 Others: ≥ 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) ≥ 4 (Slight alteration visible from certain angles)
Colour fastness to artificial light	EN 438-2-27	Greyscale	≥ 4 - 5
Surface bond strength	ISO 13894-1-9	N/mm²	≥ 1.0

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3. CERTIFICATION AND TESTING

CHARACTERISTICS	STANDARD	UNIT	VALUE
Fire resistance characteristics			
Reaction to fire classification	EN13501	Class	E
	NFP 92-501	Class	M3
Health and environmental safety			
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

The Nuance system has been awarded ATEx Technical Experimentation Notice No. 2977, which guarantees that the product can be used in the intended application area in wet areas that have been approved and comply with building regulations.

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, new or renovated substrates in accordance with technical recommendations: ATEx 2977.

The walls must be clean, stable, dry (< 3% 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 are cut and drilled using tools designed for working with composite and laminated materials, as well as carbide-coated blades and drill 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.

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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 or any fat.

▶ *Please refer to the technical data sheets for the Complete adhesive and sealant at www.polyrey.com.*

The installation of Nuance panels is covered by specific installation instructions in our ATEx 2977. A manual, packaged with each panel, will give you access to all the documents you need for assembly. Documents are also available for download at 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 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.*

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^2/m^3.

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 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.

All the information contained in this technical data sheet is based on the latest technological knowledge but cannot be construed as a guarantee.
Hence we cannot make any assurances about suitability for specific fields and applications.

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