



**WAYNERR<sup>®</sup>**

SUSTAINABLE LEATHER PANELS



 Swiss made

## WAYNERR® Innovation

Production site is established in Courfaivre, Canton of Jura, Switzerland. It smoothly blends in with historically strong manufacturing heritage of the Canton and strengthens Cantonal & Federal efforts upgrading business to a sustainable and circular future.

WAYNERR® Research & Development is conducted by our internal team with the support of Swiss Confederation, Innosuisse and scientific institutions.

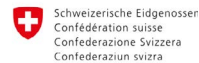
We trust that our innovation will help improve sustainability and circularity in the world, shall reduce human-made pollution for the better future. Your support is essential in this journey as it will help us advance with a faster industrial implementation to make it worldwide available.

## WAYNERR® APPLICATIONS

Unique structure provides unparalleled sustainability & premium technical parameters



IN PARTNERSHIP WITH:





**WAYNERR®** IS AN INNOVATIVE AND UNIQUE PATENTED TECHNOLOGY.

**WAYNERR®** PROVIDES UNIQUE STRUCTURE WITH PREMIUM PHYSICAL AND CHEMICAL PROPERTIES:

Sustainable: by transforming leather side products into valuable, high-quality insulation material, we pave the way for an eco-friendly and economically viable future.

100% natural: made from natural materials that can be recycled.

Up to A class reaction to fire: it is made of material which pronounces safety.

Low profile: we elevate your spaces without compromise.

Lightweight material: removes unnecessary weight from the structures.

Soundproof: **WAYNERR®** panels offer outstanding sound absorption and sound reduction.

EPD certification pending: impressive LCA results.

# ACOUSTICS SOLUTIONS

## Sound absorption solutions

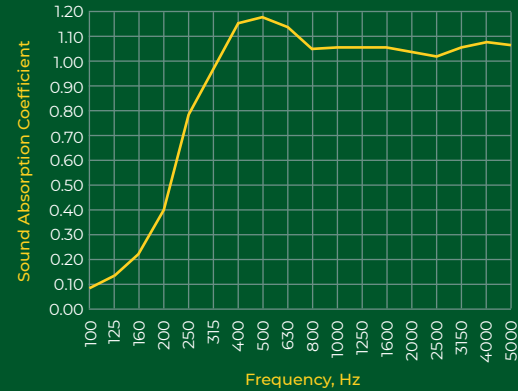
**Application areas:** Office spaces, meeting rooms, conference rooms, concert halls, cinemas, acoustic cabins, individual projects.

### For the Projects valuing Silence

- Effectively absorbs sound up to 100%.
- Quick installation using just assembly glue. Area Installation of 12 m<sup>2</sup> takes up to 10 min.
- The solutions are low-profile saving precious space.

### Features:

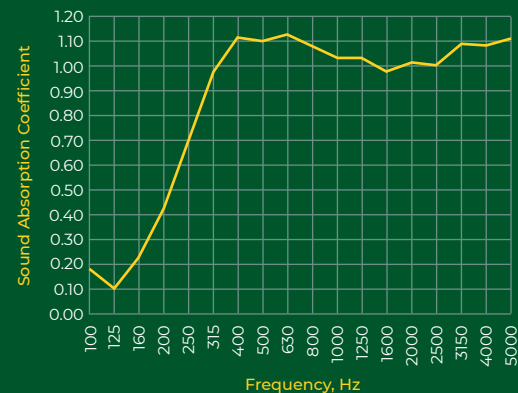
- Sustainable & Circular Products
- Easy & Fast Installation – on the walls, ceilings, mobile sound screens
- Effective sound reverberation reduction
- Low-Profile Modules (up to 5 cm)
- Premium touch & Feel
- Instant integration of interior design
- Long-term solution with 30 Years Guarantee\*
- Swiss quality



### Premium option:

Class A,  $\alpha_w = 1.00$ , NRC = 1.00:

- WAYNERR® thermal-sound insulation panel PS700-65, 2 cm thickness.
- WAYNERR® interior décor panel (i.e. Studio), 3 cm thickness.



### Economy option:

Class A,  $\alpha_w = 1.00$ , NRC = 0.95:

- WAYNERR® thermal-sound insulation panel SA80, 1.5 cm thickness.
- WAYNERR® interior décor panel (i.e. Studio), 3 cm thickness.

## Sound reduction solutions with $R_w > 40$ dB

| Basic wall construction:<br>1x12,5 mm Wallboard, 70 mm C-Stud standard @ 600 mm Centres, 1x 12,5 mm Wallboard | Enhancement (receive side)  | Tested Sound Insulation, $R_w$ (C; Ctr) | Improvement on Basic Wall, $R_w$ |
|---|---|---|----------------------------------|
|   | None  | 35 (-2;-7) dB                           | N/A                              |
|   | 20 mm WAYNERR® SA80   | 38 (-2;-7) dB                           | 3 dB                             |
|   | 20 mm WAYNERR® SA80 +12.5 mm Wallboard                              | 41 (-3; -10) dB                         | 6 dB                             |
|   | 20 mm WAYNERR® SA80 +12.5 mm Wallboard +30 mm WAYNERR® Studio       | 41 (-3; -9) dB                          | 6 dB                             |
|   | 20 mm WAYNERR® PS700-65   | 37 (-2; -8) dB                          | 2 dB                             |
|   | 20 mm WAYNERR® PS700-65 + 12.5 mm Wallboard                         | 39 (-2; -9) dB                          | 4 dB                             |
|   | 20 mm WAYNERR® PS700-65 + 12.5 mm Wallboard + 30 mm WAYNERR® Studio | 40 (-3; -9) dB                          | 5 dB                             |
| 20 mm WAYNERR® P003-65 + 20 mm WAYNERR® P005-65 + 12.5 mm Wallboard + 30 mm WAYNERR® Studio                   | 44 (-5; -13) dB   | 9 dB                                    |                                  |



WAYNERR® thermal noise insulation panels can provide up to a 9 dB uplift on a standard single stud wall, when used in combination with each other and additional wallboard as shown above/below.

The WAYNERR® system is ideal for use where you need to enhance sound insulation of existing walls which are just falling short of the required acoustic standards, such as in refurbishment projects or where remedial measures are needed during construction or on completion.

With the simple application of a single SA80 WAYNERR® panel and 1 sheet of standard non-acoustic wallboard to one side of a stud wall, you can enhance internal walls so that they exceed a 40 dB  $R_w$  requirement – making them suitable for a wide variety of applications.

### Benefits:

- Dust - free surface
- Air - Conditioning effect
- Laboratory tested & proven

### Example Applications:

Offices, Education and Healthcare – 40 dB  $R_w$  is a typical requirement for corridor walls that contain a door in these types of spaces (to non-acoustically sensitive rooms).

Residential – requirement E2 of the Part E of the Building Regulations requires that new internal walls that separate a bedroom from a bedroom, or from a room that contains a toilet (excluding en-suites) within a house/flat must have a laboratory-rated sound insulation value of  $\geq 40$  dB  $R_w$ .

# INTERIOR DÉCOR PANELS

## Other characteristics:

- Custom design
- Variety of color, textures, scents
- Dust - free surface
- Air - Conditioning effect
- Sustainable product

Transforming interiors was never so easy. Vivid colors, variety of textures, for supreme projects even natural colorants can be used. WAYNERR® Interior décor panels enable architects and interior designers materialize any idea. Our panels add a premium touch and mark your engagement into sustainability. It significantly reduces noise, insulates against temperature loss, assists in regulating microclimate (by reducing air humidity) can be also immersed in scents of your choice to strengthen the brand's identity.

| PARAMETER   | UNIT                     | AVERAGE VALUE      |
|---|--------------------------|--------------------|
| HEAT CONDUCTIVITY                                 | λ                        | 0.034              |
| SPECIFIC HEAT CAPACITY                            | J/ Kg K                  | 3.000              |
| THERMAL DIFFUSIVITY                               | Sq. m/ sec               | 2*10 <sup>-7</sup> |
| ACOUSTIC ABSORPTION 10 mm freq, Hz                | Absorbtion coefficient α |                    |
| 2000  |                          | 0.89               |
| 4000  |                          | 0.64               |
| IMPACT NOISE                                      | dB                       | 21                 |
| -thickness 10 mm                                  |                          | 26                 |
| -thickness 20 mm                                  |                          | 34                 |
| Density   | Kg/m <sup>3</sup>        | 20 - 80            |
| Tensile strength                                  | κPa                      | 100 - 130          |
| Elongation at break                               | %                        | 20 - 30            |
| Surface compression strengthening 40% deformation | κPa                      | 75 - 95            |
| - straight after decompression                    |                          | 15-25              |
| - After 30 min                                    |                          | 4-7                |
| - After 60 min                                    |                          | 1-4                |
| WATER VAPOUR TRANSMISSION RATE                    | Mg/sq.sm.*Hr             | 15 - 25            |

TECHNICAL INFORMATION INTERIOR DÉCOR:



# TEXTURE AND COLOURS





## WAVES

A wavy profile creates dynamic visual impression and generates the notion of fluidity.

### AVAILABLE COLOURS:

- DEEP PURPLE
- NATURAL WHITE
- ACIENT GOLD
- NAVY BLUE
- VIVID GREEN
- OPAL BLACK

## STUDIO

Partly separated irregular cones system along with the lighting system shall impress everyone.

### AVAILABLE COLOURS:

- DEEP PURPLE
- NATURAL WHITE
- ACIENT GOLD
- NAVY BLUE
- VIVID GREEN
- OPAL BLACK







## CIRCLES

The texture reminds a system of circles & octagons. This forms a planet – like view on the wall.

### AVAILABLE COLOURS:

- DEEP PURPLE
- NATURAL WHITE
- ACIENT GOLD
- NAVY BLUE
- VIVID GREEN
- OPAL BLACK

## EGYPT

Ancient icons revive symbolism. This style ignites mythology via atmosphere of storytelling.

### AVAILABLE COLOURS:

- DEEP PURPLE
- NATURAL WHITE
- ACIENT GOLD
- NAVY BLUE
- VIVID GREEN
- OPAL BLACK





## LINES

This texture is made of perpendicularly crossing line groups. This looks very orderly on the wall.

### AVAILABLE COLOURS:

- DEEP PURPLE
- NATURAL WHITE
- ACIENT GOLD
- NAVY BLUE
- VIVID GREEN
- OPAL BLACK

## PLAINT

The panel reminds the plait, each part of it covers the other one. This gives a solid wall design.

### AVAILABLE COLOURS:

- DEEP PURPLE
- NATURAL WHITE
- ACIENT GOLD
- NAVY BLUE
- VIVID GREEN
- OPAL BLACK





## INSULATION PANELS

### Competitive Advantage

- 01** Modern ecological materials, safe for environment and humans
- 02** Materials are safe for use in buildings - up to Class A2 reaction to fire
- 03** Material is 100% recycled and re-recyclable
- 04** Low lambda and good acoustics properties

WAYNERR<sup>®</sup> is produced from sustainable leather - this way leather side products are given a second life, reduce carbon footprint and improve sustainability.

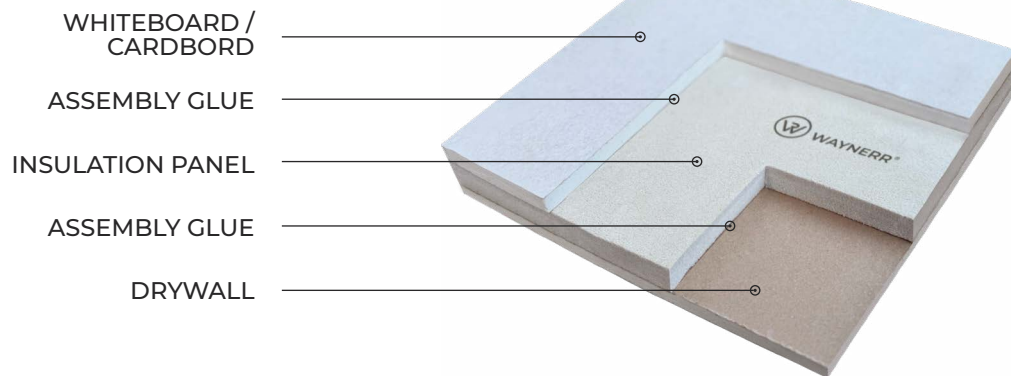
These panels are widely used in construction for walls, roofs, and floors due to their excellent thermal performance, lightweight nature, and ease of installation. They offer superior energy efficiency, helping to maintain stable indoor temperatures and reduce heating and cooling costs. Insulation panels are versatile, low profile and lightweight. The suggested application is for residential, commercial and industrial buildings.



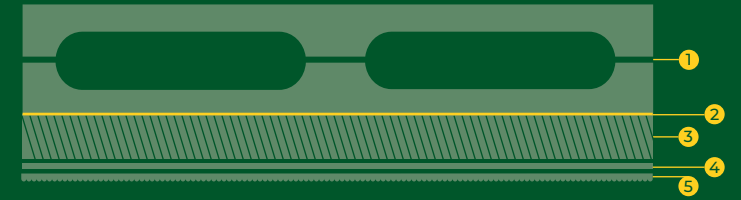


We have discovered a new and highly sustainable way on insulation. Using WAYNERR<sup>®</sup> Insulation panels internally in the building, prevents from temperature loss, protects against fire and improves sound quality. WAYNERR<sup>®</sup> Insulation panels contain macroporous leather and sand or recycled glass. With such composition it is sustainable, lightweight and long-term product with top in a class technical parameters for insulation.

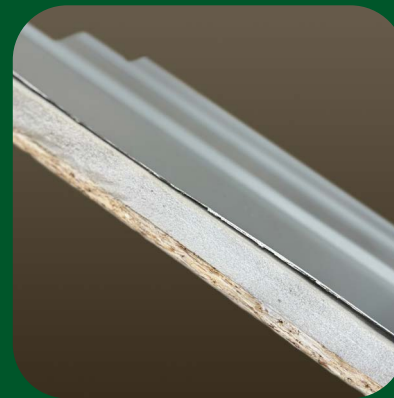
| Technical information              |                           |
|------------------------------------|---------------------------|
| Density                            | 150-200 kg/m <sup>3</sup> |
| Thermal conductivity, λ            | 0,04                      |
| Fire class rating                  | up to class A2            |
| Thickness                          | from 10 mm                |
| Surface density, kg/m <sup>2</sup> | 2                         |



### Internal wall installation



- ① Building block
- ② Assembly Glue
- ③ WAYNERR<sup>®</sup> Thermo-noise insulation panel
- ④ Construction grid
- ⑤ Structural plaster



### Roof installation



- ① Roofing material
- ② WAYNERR<sup>®</sup> Thermo-noise insulation panel
- ③ OSB board / Whiteboard

**WAYNERR<sup>®</sup>** panels are easy to install using assembly glue. Installation time is short, low profile nature allows saving extra space.

 SWISS INNOVATION



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