

The image features a central white banner with the text 'WAYNERR<sup>®</sup> macroporous technology' in bold black font. The banner is set against a background of a scanning electron microscope (SEM) image showing a complex, interconnected network of thin, dark fibers. The fibers are oriented in various directions, creating a mesh-like structure. The overall appearance is that of a porous, fibrous material.

**WAYNERR<sup>®</sup> macroporous technology**

## CHALLENGING LIFE



**WORLDWIDE LEATHER TANNERIES PRODUCE  
OVER 1 MILLION TONS OF WASTE MATERIAL PER YEAR**

- **Landfills**
- **Burnt**
- **Fertilizers**
- **Artificial leather**

Photo Credit: <https://www.bioenergyconsult.com/thermal-tannery-wastes/>

# INNOVATION

**Recycling leather waste** (chrome shavings)

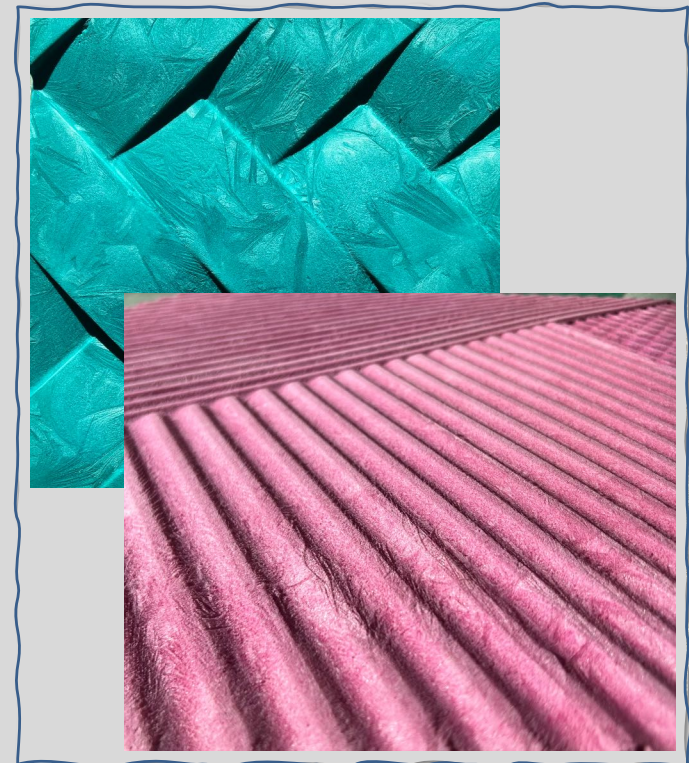
**New material created** - macroporous leather

**Patented technology**

**Sustainability & Circularity**

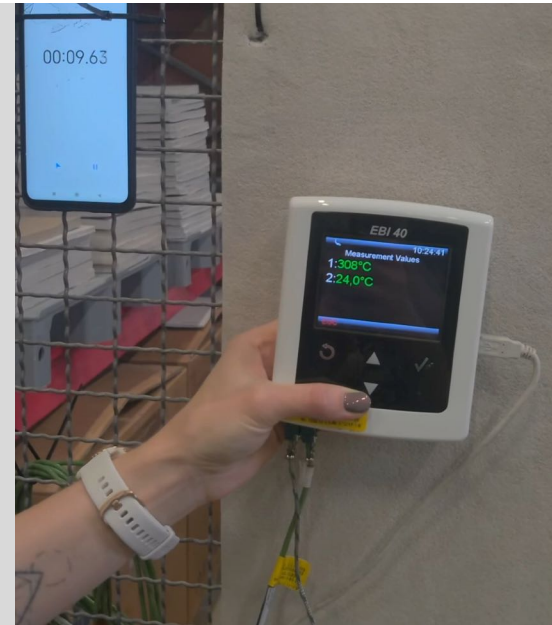
**Multiple application:**

- Insulation / acoustic / interior décor products
- Industrial air filters
- Spilled oil collection
- ...



## BENEFITS

- **SUSTAINABILITY** - Impressive LCA results
- **CIRCULAR ECONOMY** - Repeatedly Recyclable
- **COMPETITIVE** - Cost-efficacious production
- **SAFETY IN BUILDINGS** - Up to Class A reaction to fire
- **LOW PROFILE** - Increase habitable area (1 cm vs 10+ cm)
- **LIGHTWEIGHT** - Less weight on structures (2 kg vs 20 kg)
- **LIFETIME** durability - Longevity of the products



# COMPARISON



	<b>WAYNERR® W80 80% sand (Inner/noise)</b>	<b>GLASS WOOL PBM030-034(Inner walls)</b>	<b>GLASS WOOL LURO (noise insulation)</b>	<b>PhoneStar 25-ST Tri (Noise)</b>
Material	Poroplast & Sand	Glass Wool	Glass Wool	Cardboard & Sand
Weight / m2	2 kg	±2 kg	±2 kg	39 kg
Bulk density	150 kg/m3	20-38 kg/m3	80 kg/m3	± 150 kg/m3
Reaction to Fire	A	A	A2 – s1, d0	E
Minimum thickness	10 mm	30-40 mm	20-80 mm	25 mm
Thermal conductivity	0.03-0.04	0.03-0.034	0.033 (20-30)-0.035 (>40)	n.a.
Noise Insulation	25/70 db	±18/n.a. dB	n.a.	20/36 db

**WAYNERR® HAS MORE BENEFITS  
IN A SINGLE PRODUCT**

WAYNERR®

PROUDLY MADE IN SWITZERLAND 

**SOLARIMPULSE**  
FOUNDATION

MEMBER



SWISS  
INNOVATION  
CHALLENGE

FINALIST

  
alliance  
POUR INNOVER  
FINALIST



**CBI Booster**

FINALIST

Thank you!



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**SUSTAINABILITY STAGE**

**LONDON BUILD 2022**  
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**Vidas Snieckus**  
Head of Research & Product  
Development  
WAYNERR

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