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A NEW DIMENSION OF WOOD FOR SUSTAINABLE INTERIOR DESIGN



Ultiwood®



Innovative Decorative
Thermal-Insulation Coating
in Olive Wood



Il futuro ha un cuore antico

For more information, visit: www.innostartsrl.it
or contact us at: info@innostartsrl.it

INNOSTART Srl. C.da Carestia 1, 72017 Ostuni (BR) - Italy
VAT: IT02641390741



A NEW DIMENSION OF WOOD FOR SUSTAINABLE INTERIOR DESIGN

Innovative Decorative Thermal-Insulation Coating in Olive Wood

INNOSTART SRL is an innovative Italian start-up focused on the bio-economy and sustainable materials derived from waste and by-products of the agri-food sector.

ULIWOOD®, our flagship innovation, is a patented bio-based composite material with a wood component made of olive stone fragments. Its unique composition contains **85% renewable materials** by weight, offering **high thermal mass, efficient vapor regulation and fire resistance**.

Designed for **Green Building** applications, **ULIWOOD® serves as a decorative, thermal and sound-absorbing coating for interior walls**, enhancing comfort, health and energy efficiency in buildings while aligning with **Circular Economy** principles and **Environmental Sustainability**.

MAIN FEATURES

- Bio-based composite material protected by patent**, composed of olive stone fragments and resins from renewable sources in aqueous dispersion.
- The transparent resin allows decorative use, highlighting the **natural beauty of olive wood**.
- 85% bio-based content by weight**, offering **low density and low VOC emissions**.
- High thermal inertia and sound-insulating properties** improve indoor comfort and energy efficiency.
- High breathability** promotes air circulation, preventing condensation and prolonging durability.
- Fire-resistant (Euroclass E)** and compliant with UNI EN 15457:2022, making it **highly resistant to mold and algae**.



Very fine grain



Fine grain



Medium grain



Large grain



Embrace the future of
Green Construction with ULIWOOD®
where Design meets Sustainability

WHY CHOOSE ULIWOOD®?

- 85% bio-based content** from renewable sources.
- Thermal & acoustic insulation** for enhanced comfort.
- Breathable & vapor-regulating** to prevent condensation.
- Fire-resistant (Euroclass E)**.
- Mold & algae resistant** (UNI EN 15457 compliant).
- Low VOC emissions for **healthier indoor environments**.
- Unique decorative finish** highlighting olive wood fragments.
- Made in Italy** with zero deforestation guarantee (EUDR Reg. 2024).



APPLICATION & PERFORMANCE

ULIWOOD® is designed for interior wall coatings, applied with a stainless steel spatula or trowel. Its high thermal mass and sound-absorbing properties create comfortable, healthy and energy-efficient living spaces. The material's breathability supports natural air exchange, prolonging durability and insulation performance.



TECHNICAL DATA

	Value	Unit of Measure	Test Method
Specific Weight	0,59	Kg/l	UNI EN ISO 2811-1
Brookfield Viscosity	Paste-like appearance (40000-800000)	cp (spindle 4)	ASTM D2196
Adhesion by Direct Tensile Strength	0,51	MPa	UNI EN 1542
VOC (Volatile Organic Compounds) Content	1,71	gr/l	Directive 2004/42/CE
Thermal Conductivity ($\lambda_{10,dry}$)	0,10 (P=50%) 0,11 (P=90%)	W/mK	UNI EN 1745
Fire Reaction	EuroClass E	-	UNI EN 13501-1
Water Vapor Permeability	Class V1 (high)	-	UNI EN ISO 7783-2
Water Absorption	Class W1 (high)	-	UNI EN 1062-3
Acoustic Insulation (α)	< 0,1	-	ISO 10534-2
Resistance to Mold Growth	0 (no fungal growth)	-	UNI EN 15457

ULIWOOD® is a registered trademark

