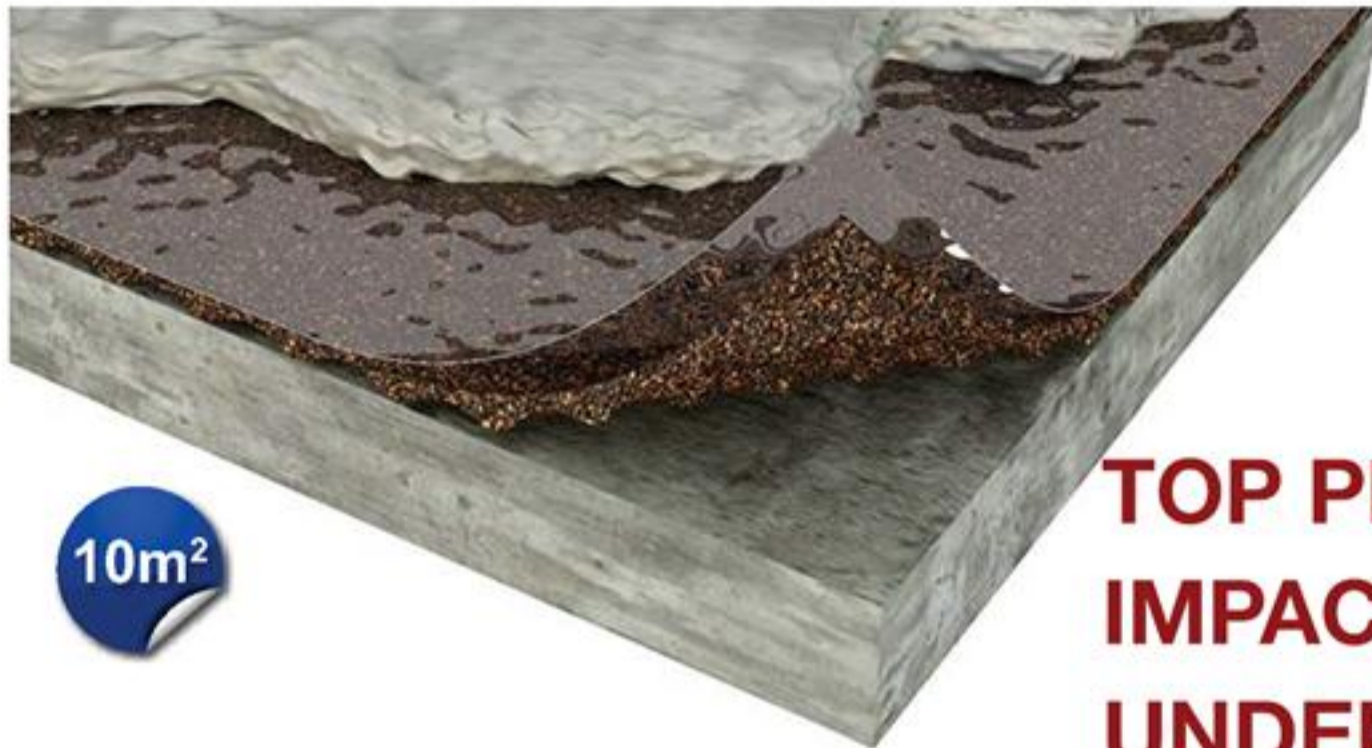


# UNDERSCREED U31 Floating Slab



## TOP PERFORMANCE IMPACT NOISE REDUCTION UNDERSCREED

High Durability and Long Term Resilience

Top Impact Noise Insulation

100% Recycled and Sustainable Product

Very Flexible

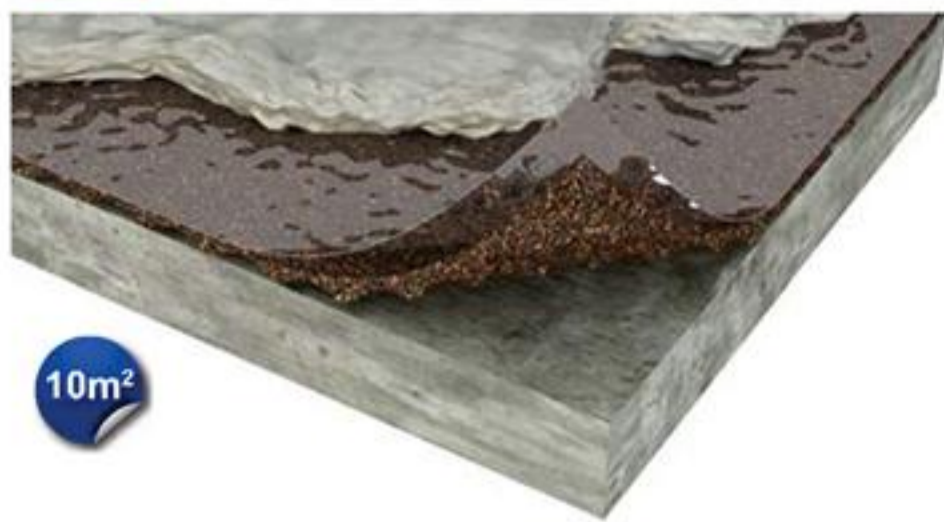
**PRODUCT DESCRIPTION**  
Agglomerated Cork and Recycled Rubber for Impact and Airborne Noise Insulation of Floating Slabs.

**THERMAL PROPERTIES (ISO 8301)**  
Thermal Conductivity: 0,081 W/m<sup>2</sup>K  
Thermal Resistance: 0,099 m<sup>2</sup>K/W

**PHYSICAL AND MECHANICAL PROPERTIES (ISO 7322)**  
Surface Weight: 2,5 Kg/m<sup>2</sup>  
Dynamic Stiffness: 15 MN/m<sup>3</sup>  
Tensile Strength: > 600 KPa  
Recovery: > 90%  
Load Bearing: up to 3.000 Kg/m<sup>2</sup>  
Durability: Lifetime of the Building

**ACOUSTICAL RESULTS (ISO 140 & 717)**  
 $\Delta L_w = 27\text{dB}$   
(ITeCons ACU 117/09)

**PACKAGING\***  
1m x 10m x 8mm  
\* Others sizes available upon request

10m<sup>2</sup>

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## TOP PERFORMANCE IMPACT NOISE REDUCTION UNDERSCREED

### General installation instructions

The following installation instructions are recommended by Amorim Cork Composites, but are not intended as a definitive project specification. They are presented in an attempt to be used with recommended installation procedures of the flooring manufacturers and screed.

### Room conditions

Temperature > 10°C / Room moisture content < 75%.

### Subfloor

All subfloor work should be structurally sound, clear and level. The moisture content of the subfloor should not be more than 2.5% (CM) by weight measured on concrete subfloors.

### Perimeter insulation barrier

Install a perimeter insulation barrier vertically around the entire perimeter of the room with width equal to that of the floor build up. This is highly recommended in order to avoid lateral propagation of impact noise. Spot adhere the strips to the wall using acrylic glue or a bead of silicone sealant (do not forget the edges of pipes, ducts, etc).

### Installations instructions for AcoustiCORK U31

Unpack the AcoustiCORK U31 at least 24h before the installation and store it in the room where the installation will take place. Cut and trim the AcoustiCORK U31 to the desired length and install directly over the subfloor with crown of the rolled materials up (removing eventual trapped air).

Butt the AcoustiCORK U31 directly against the insulation perimeter barrier already installed. Proceed to cover the entire floor making sure that the joints are butted tight. After completion, the AcoustiCORK U31 should cover the entire flooring area without gaps and with joints securely taped.

An insulation vapour barrier (p.e. foil) covering the entire flooring area MUST be installed prior to the screed. Install it, minimum 150mm wide vertically and overlapping it, minimum 100mm (use an adequate tape to fix it). After completion, the insulation vapour barrier should cover the entire AcoustiCORK U31 area without gaps.

Never mechanically fasten the AcoustiCORK U31 and/or the p.e. foil barrier with screws, nails or staples as this will severely diminish the performance of the insulation barrier.

### Screed and final flooring

Cast a suitable screed over the loose laid PE foil previously installed over the product.

Always follow manufacturers recommended installation instructions.

For detailed installation instructions, please contact us.

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[www.acousticork.eu](http://www.acousticork.eu)

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