

UNDERSCREED U39 Floating Slab



10m²

NATURAL AND RECYCLED NOISE REDUCTION UNDERSCREED

Increases Floor Thermal Insulation

Lightweight and Long Term Resilience

100% Recycled and Sustainable Product

Very Flexible



PRODUCT DESCRIPTION

Agglomerated Cork and Recycled Crumb Rubber for Impact and Airborne Noise Insulation of Floating Slabs.



THERMAL PROPERTIES (ISO 8301)

Thermal Conductivity:
0,086 W/m²K

Thermal Resistance:
0,093 m²K/W



PHYSICAL AND MECHANICAL PROPERTIES (ISO 7322)

Surface Weight: 3,4 Kg/m²
Dynamic Stiffness: 35 MN/m³
Tensile Strength: > 600 KPa
Recovery: > 90%
Load Bearing: up to 3.000 Kg/m²
Durability: Lifetime of the Building



ACOUSTICAL RESULTS (ISO 140 & 717)

$\Delta L_w = 22\text{dB}$
(ITeCons ACU 119/09)



PACKAGING*

1m x 10m x 8mm

* Others sizes available upon request



AMORIM

Amorim Cork Composites

AcoustiCORK®

UNDERSCREED



UNDERSCREED U39 Floating Slab

NATURAL AND RECYCLED 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 U39

Unpack the AcoustiCORK U39 at least 24h before the installation and store it in the room where the installation will take place. Cut and trim the AcoustiCORK U39 to the desired length and install directly over the subfloor with crown of the rolled materials up (removing eventual trapped air).

Butt the AcoustiCORK U39 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 U39 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 U39 area without gaps.

Never mechanically fasten the AcoustiCORK U39 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.

2725/20200



União Europeia

Fundo Europeu de
Desenvolvimento Regional

www.acousticork.eu

HEAD OFFICE

Rua de Meladas, 260 - Apartado 1
4536-902 Mozelos VFR - Portugal
T: +351 22 747 5300 / F: +351 22 747 5301
E-mail: acousticork.acc@amorim.com
www.corkcomposites.amorim.com



QUADRO
DE REFERÊNCIA
ESTRATÉGICO
NACIONAL
PORTUGAL 2007-2013