

DURABELLA Flooring Solutions

Specialists in Acoustic, Access and Leisure Flooring Systems

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Data Sheet DuraCork U39

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.

PACKAGING

1m x 10m x 8mm

*Other sizes available upon request

ACOUSTICAL RESULTS

(ISO 140 & 717)

$\Delta L_w = 22\text{dB}$

(ITeCons ACU 119/09)

THERMAL PROPERTIES

(ISO 8301)

Thermal Conductivity: $0.086 \text{ W/m}^2\text{K}$

Thermal Resistance: $0.093 \text{ m}^2\text{K/W}$

PHYSICAL AND MECHANICAL PROPERTIES

(ISO 7322)

Surface weight: 3.4Kg/m^2

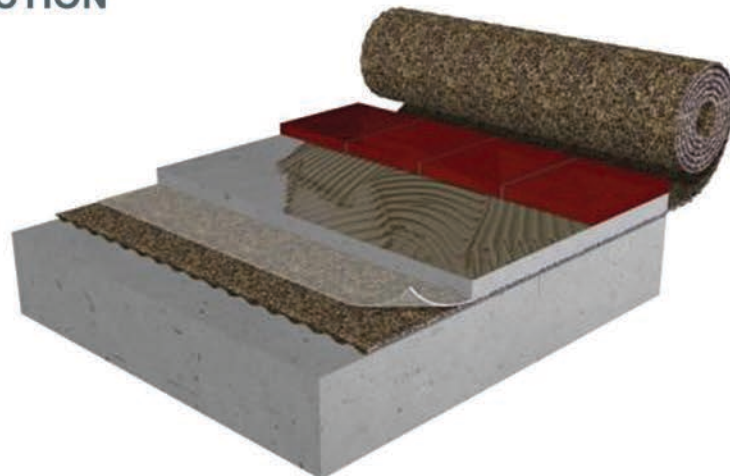
Dynamic Stiffness: $>35 \text{ MN/m}^3$

Tensile Strength: 600 KPa

Recovery $>90\%$

Load Bearing: up to 3.000 Kg/m^3

Durability: Lifetime of the Building



General installation instructions:

The following installation instructions are recommended by Durabella Acoustics Limited, 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.

Room conditions:

Temperature $>10^\circ\text{C}$ / 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).

Installation instructions for DuraCork U39

Unpack the DuraCork U39 at least 24h before the installation and store it in the room where the installation will take place. Cut and trim the DuraCork U39 to the desired length and install directly over the subfloor with crown of the rolled materials up (removing eventual trapped air) Butt the DuraCork 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 DuraCork 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 DuraCork U39 area without any gaps. Never mechanically fasten the DuraCork 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.