



## MATERIAL DESCRIPTION & PROPERTIES

### 100% Recycled Noise Reduction Underscreed

High Durability and Long Term Resilience  
Greater Impact Noise Insulation  
100% Recycled and Sustainable Product  
Very Flexible

### Product Description

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

### Thermal Properties

**Thermal Conductivity:** 0,140 W/mK<sup>(1)</sup>

**Thermal Resistance:** 0,121 K/W

<sup>(1)</sup>ISO 8301

### Physical and Mechanical Properties (ISO 7322)

**Surface Weight:** 6.0 Kg/m<sup>2</sup>

**Dynamic Stiffness:** 18 MN/m<sup>3</sup>

**Tensile Strength:** > 600 KPa

**Recovery:** > 90%

**Load Bearing:** up to 5.000 Kg/m<sup>2</sup>

**Durability:** Lifetime of the Building

### Acoustical Results

**(ISO 140 & 717)**

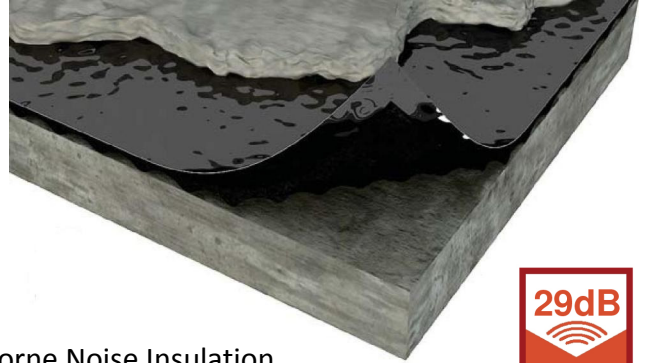
$\Delta Lw = 29dB$

(ITeCons ACU 472/12)

### Packaging

1m x 9m x 17mm

\*Other sizes are available upon request





### General Installation Instructions

The following installation instructions are recommended by Total Vibration Solutions, 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 > -5°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 Instruction for Acousticork U71

Unpack the AcoustiCORK U71 at least 24h before the installation and store it in the room where the installation will take place. Cut and trim the AcoustiCORK U54 to the desired length and install directly over the subfloor dimpled side down (removing eventual trapped air).

Butt the AcoustiCORK U71 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 U71 should cover the entire flooring area without gaps and with joints securely taped. A waterproof membrane minimum 0.2mm 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 waterproof membrane should cover the entire AcoustiCORK U71 area without gaps. Never mechanically fasten the AcoustiCORK U71 and/or the vapour 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 waterproof membrane previously installed over the product.

Always follow manufacturers recommended installation instructions.

For detailed installation instructions, please contact us.

#### **ACOUSTICORK U71**

**Product Data Sheet PDS 1.1 ACOUSTICORK U71**

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