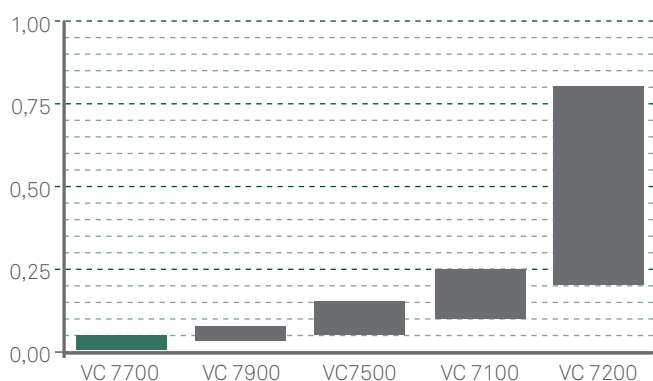
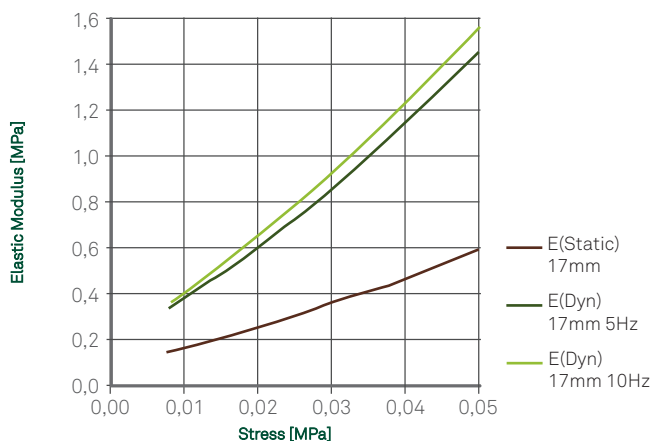


MATERIAL DESCRIPTION & PROPERTIES

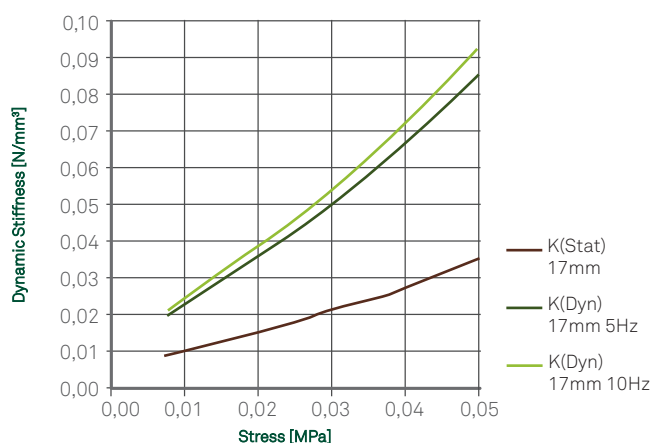
WORK LOAD RANGE [MPa]



ELASTIC MODULUS [MPa]



DYNAMIC STIFFNESS [N/mm³]



VC 7700 is an engineered polyurethane-bound recycled rubber-granulate material with a profiled surface.

This product is suitable for vibration control in construction, used as a mat or strip for ultra low loads, to reduce vibration, absorb shock and structural borne noise.

LOAD RANGE

- PERMANENT STATIC 0,01-0,05 MPa (1,5 - 7,3 psi)

E-MODULE

- STATIC⁽¹⁾ 0,17-0,60 MPa (25- 87 psi)
- DYNAMIC⁽²⁾ 0,35-1,6 MPa (51 - 232 psi)

(1) DIN 53513 (ADAPTED) - TANGENTIAL MODULUS
(2) DIN 53513 (ADAPTED) - DEPENDING ON LOAD AND FREQUENCY

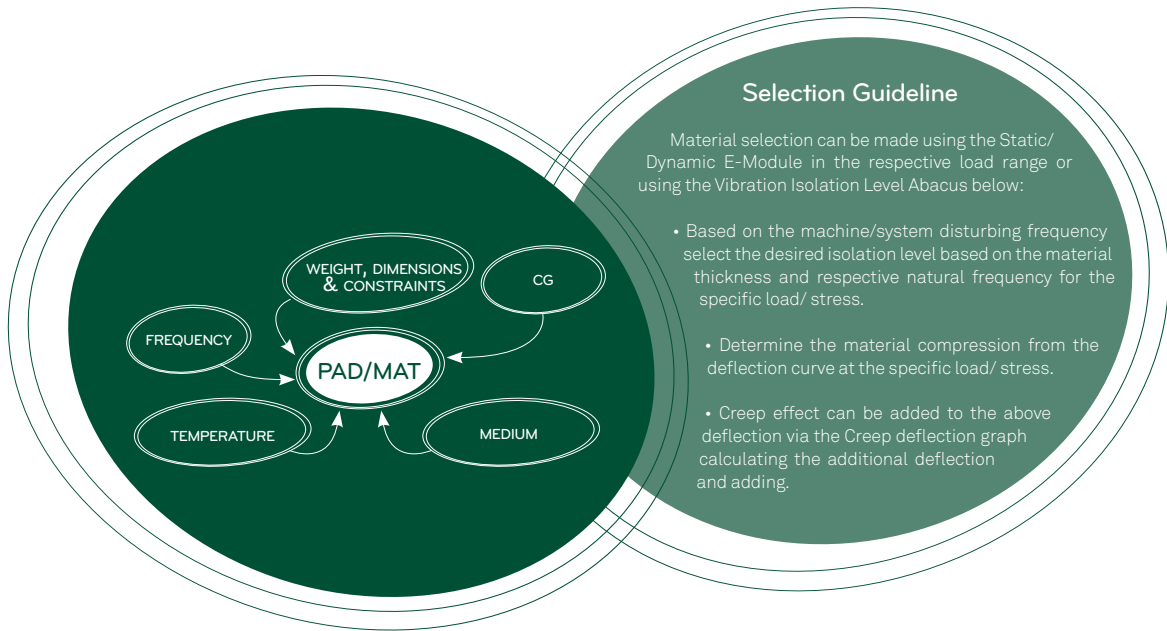
Compression Set (%) ⁽¹⁾	6,2
Tensile Strength (MPa) ⁽²⁾	> 0,25 (36 psi)
Elongation at break (%) ⁽²⁾	> 60
Tear- Resistance (N/mm) ⁽³⁾	> 3,217
Flammability ⁽⁴⁾	*B2
Density (Kg/m ³) ⁽⁵⁾	710 (44 lb/ft ³)

(1) DIN 53572 - MEASURED 30MIN AFTER DECOMPRESSION WITH 50% DEFORMATION / 23°C AFTER 72H
(2) DIN 53571
(3) DIN 53515
(4) DIN 4102
(5) DIN D297
* B2 = NORMAL FLAMMABLE

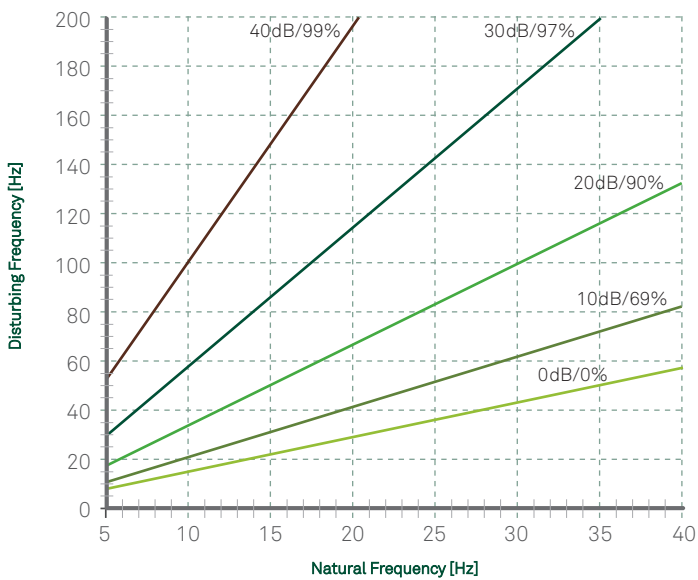
FEATURES

- Revalorised product
- Supplied in rolls, sheets or strips
- Available in a max. width of 1250mm and up to a length of 10m.

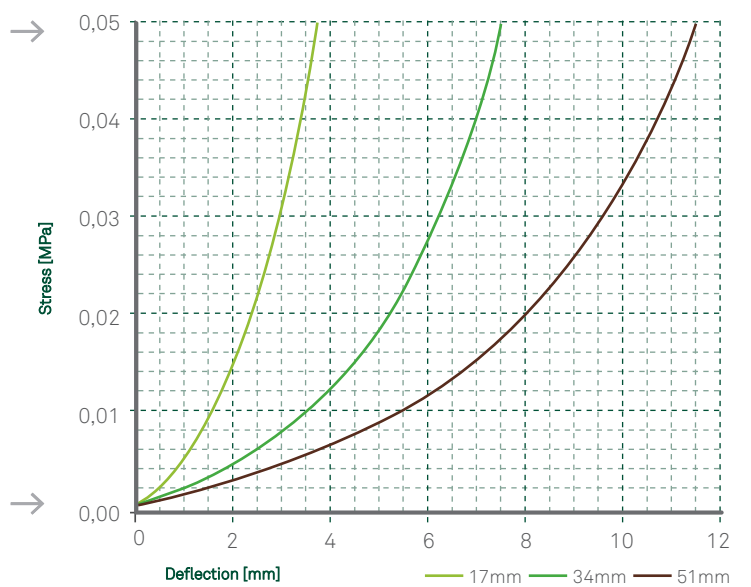
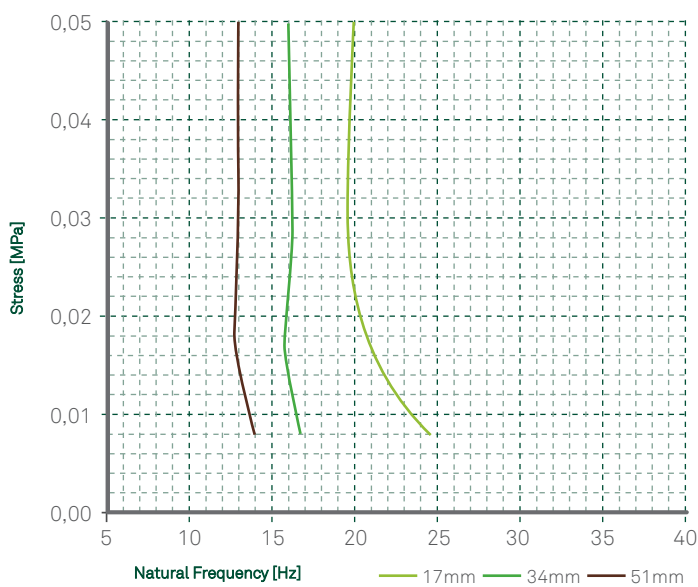
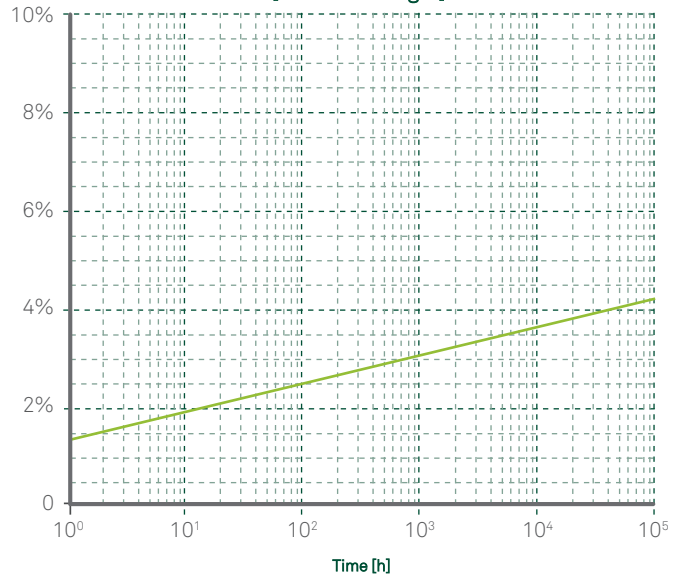




Vibration Isolation



**Creep Deflection @ 0.125 MPa
[% of start height]**

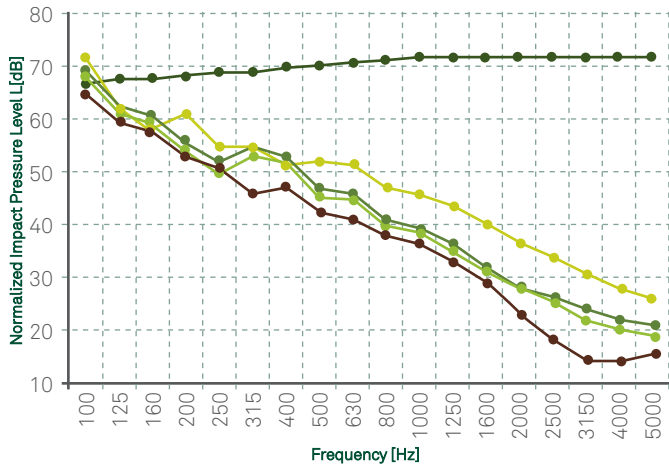


Note: 34mm and 51mm thickness achieved through stacking 17mm (profile) thickness layers.

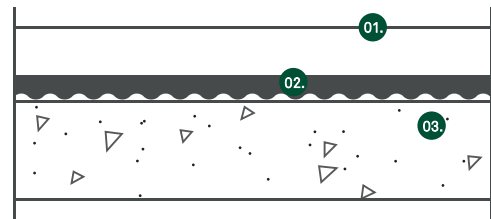


ACOUSTICAL RESULTS

Test procedure according to standards ISO 10140-1:2010; ISO 10140-3:2010; ISO 10140-4:2010 and ISO 717-2:2013



TEST APPARATUS [ΔL_w & IIC]



- 01. Concrete floating screed with 70mm thickness
- 02. Agglomerated recycled rubber resilient layer with one face dimpled - VC 7700
- 03. Reinforced concrete slab of thickness 140mm

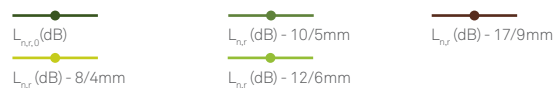
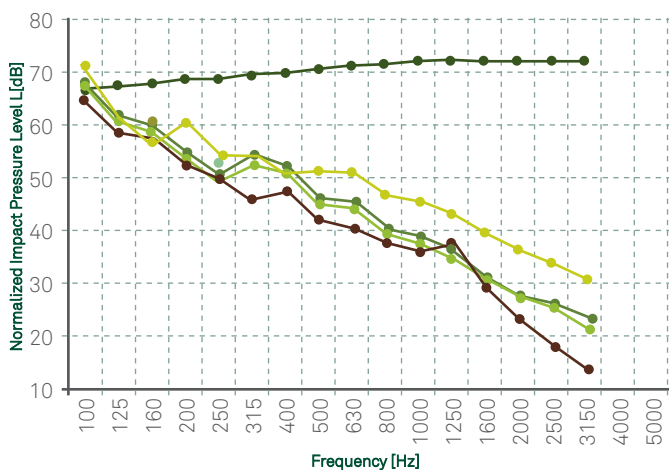
$L_{n,r}$ - Normalized impact sound pressure level of the reference floor with the floor covering under test;
 $L_{n,r,0}$ - Normalized impact sound pressure level of the Lab reference floor;
 ΔL_w - Impact sound pressure level reduction index of the covering under test, on a normalized floor;

Ref. Test Report	Thickness	$L_{n,r,w}(C_{i,r})$	$\Delta L_w(C_{i,\Delta'})$
ACU 118/09	8/4mm	54 (4) dB	24 (-15) dB
ACL 002/13	10/5mm	53 (3) dB	25 (-14) dB
ACL 019/13	12/6mm	51 (4) dB	27 (-15) dB
ACL 009/15	17/9mm	49 (3) dB	29 (-14) dB



ACOUSTICAL RESULTS

Test procedure according to standards ISO 10140-1:2010; ISO 10140-3:2010; ISO 10140-4:2010. Normalized impact sound pressure level and IIC rating determined according to standards ASTM E492-09 and ASTM E989-06.

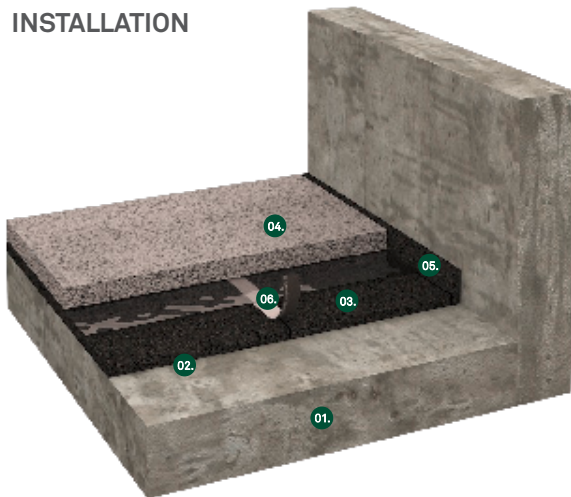


L_{ref} - Normalized impact sound pressure level of the reference floor with the floor covering under test;
 $L_{ref,c}$ - Normalized impact sound pressure level of the Lab reference floor;

Thickness	IIC _c
8/4 mm	48 dB
10/5 mm	50 dB
12/6 mm	52 dB
17/9 mm	55 dB



INSTALLATION



01.

Reinforced
concrete slab

02.

Vapor
barrier

03.

Agglomerated recycled rubber
resilient layer - VC 7700

04.

Concrete floating
screed

05.

Perimeter insulation
barrier

06.

Adhesive
tape

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 > -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. The barrier must also be applied in the perimeter of pipes, ducts or any other component protruding from the floor. Spot adhere the strips to the wall using acrylic glue or a bead of silicone sealant.

Installation Instruction for Acousticork VC7700

Unpack the Acousticork VC7700 at least 24h before the installation and store it in the room where the installation will take place. Cut and trim the Acousticork VC 7700 to the desired size to fit the installation. Apply directly over the subfloor. Always ensure that material is installed to fit the application avoiding the creation of waves in the material.

Place the Acousticork VC7700 directly against the insulation perimeter barrier already installed. Proceed to cover the entire floor making sure that the joints are butted tight and use an adequate tape to fix it. After completion, the Acousticork VC7700 should cover the entire flooring area without gaps and with joints securely taped. An waterproof membrane (ex. Polyethylene foil) 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. After completion, the insulation vapour barrier should cover the entire Acousticork VC7700 area without gaps. Never mechanically fasten the Acousticork VC7700 and/or the PE 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.