



ResoFoam10 System Kit

Product Information & Technical Data Sheet

ResoFoam10 System Kit is a complete acoustic solution for under screed applications. When installed, the system isolates the screed from the sub-floor and significantly reduces the transmission of impact noise.

ResoFoam10 System Kit includes:

- ① 1 x ResoFoam10Roll
The rolls are laid directly on the concrete floor surface. The sand & cement, or flowing screed is laid on top.
- ② 1 x ResoEdgeRoll
ResoEdgeRoll is installed around the floor perimeter to isolate the floor and reduce the risk of acoustic flanking.
- ③ 2 x ResoTape
The acoustic joining tape is used to provide an air tight seal where the ResoFoam10 layers overlap and where the ResoEdge and ResoFoam layers overlap around the edges.

Superior Under Screed Noise Insulation

Our ResoFoam10 closed cell polyethylene rolls feature thermoplastic coupling technology at their core, giving the system superior tensile and compressive strength over other 10mm polyethylene systems. The acoustic layer has greater resistance to snags and rips that may occur during installation on site.

Key Benefits



Excellent impact sound reduction



Thin 10mm solution, high resistance to moisture, tearing and snags



Superior tensile and compressive strength properties

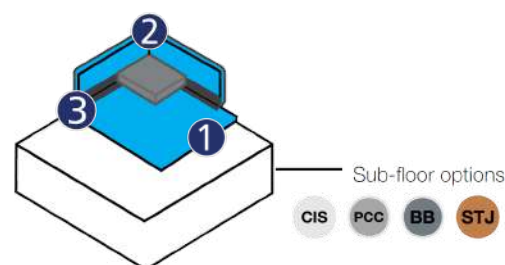


**100% recyclable
Zero VOC's, Zero CFC's
Zero ODPs, GWP <5**



System Components

1. ResoFoam10
2. ResoEdgeRoll
3. ResoTape



Dimensions

ResoFoam10Roll

Dimensions

1200mm (W) x 50 (L) x 10mm (H) / 60 m² per roll

ResoEdgeRoll

Dimensions

8mm (W) x 200mm (H) x 50m (L)

ResoTape

Dimensions

70mm (W) x 40m (L) x 2.5mm (H)

Pack Weight

21 Kg

Working Temperature

-60 / +80 degrees C

Thermal Conductivity

0.038 W/mK

Water Absorption

0.02 - 0.03 mg/cm²

Zero VOC / Zero CFC / Zero ODP / GWP <5

Product Applications and Typical Acoustic Performances

England & Wales Part E

Scotland Section 5

	New Build	Change of Use	New Build & Conversions	Traditional Buildings
Airborne (Floors and Walls) Sound Performance DnT,w+Ctr	>45dB	>43dB	>56dB*	>48dB*
Impact Sound (Floors) Performance LnT,W	<62dB	<64dB	<56dB	<58dB



*Effect of Ctr not included

Concrete In-situ Floor

CIS



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. **ResoFoam 10**
3. **ResoTape** acoustic tape
4. **ResoEdge Roll**
5. Insulation / UFH pipes
6. 200mm min reinforced insitu concrete slab
7. MF Ceiling (min 100mm void)
8. 1 x 9.5mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	52dB
Impact Sound Performance LnT,W	53dB



Beam and Block Floor

BB



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. **ResoFoam 10**
3. **ResoTape** acoustic tape
4. **ResoEdge Roll**
5. Insulation / UFH pipes
6. Beam and Block Floor (min 100mm thick)
7. MF Ceiling (min 100mm void)
8. 1 x 9.5mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	51dB
Impact Sound Performance LnT,W	52dB



Pre-cast Concrete Floor

PCC



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. **ResoFoam 10**
3. **ResoTape** acoustic tape
4. **ResoEdge Roll**
5. Insulation / UFH pipes
6. 150mm Pre-cast concrete slab
7. MF Ceiling (min 100mm void)
8. 1 x 9.5mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	51dB
Impact Sound Performance LnT,W	55dB



Performance figures shown are for indicative purposes only. For technical advice specific to your project please contact Resonate Systems technical team.