

Physical Properties

Collecta's insulation products are manufactured to the highest possible specification. All products' physical properties are determined under strictly controlled laboratory conditions.

Acoustic insulation		FIBREfon						
Properties	Unit	12	20	MDF 12	CHiP 21	CHiP 30	CHiP 38	ScreedBoard 28
Resilient layer composition	-	100% Recycled fibre board		100% Recycled PES		100% Recycled fibre board		100% Recycled PES
Type and thickness of board	-	-	-	9mm MR MDF	18mm P5 chipboard	18mm P5 chipboard	18mm P5 chipboard	20mm ScreedBoard
Resilient layer thickness	mm	12	20	3	3	12	20	8
Overall thickness	mm	12	20	12	21	30	38	28
Board size	m	0.6 x 2.40	0.6 x 2.40	0.6 x 2.40	0.6 x 2.40	0.6 x 2.40	0.6 x 2.40	0.6 x 1.20
Weight	kg/m ²	3.20	5.33	6.95	12.95	15.70	17.85	26.00
	kg/board	4.61	7.68	11.00	20.00	22.62	25.70	18.72
Long term water absorption (Resilient layer)	% vol.	<8.5 ⁽¹⁾	<8.5 ⁽¹⁾	86 ⁽²⁾	86 ⁽²⁾	<8.5 ⁽¹⁾	<8.5 ⁽¹⁾	86 ⁽²⁾
Compressive strength	kPa	220 ⁽³⁾	220 ⁽³⁾	200 ⁽³⁾	200 ⁽³⁾	220 ⁽³⁾	220 ⁽³⁾	18 ⁽³⁾

Notes.
⁽¹⁾ Percentage of water absorption after 28 days in an atmosphere of 95% relative humidity at 20°C
⁽²⁾ Percentage of mass of water after 24 hours immersion.
⁽³⁾ @ 10% compression

“Peel clean” option available on all chipboard products

Eliminating Acoustic Flanking

The acoustic efficiency of the floor can be adversely affected should acoustic bridging between the floating layer and surrounding structures occur (known as flanking transmission). All floor finishes must be isolated from the surrounding walls, services and other structural elements. To combat acoustic flanking, Collecta manufactures an extensive range of flexible extruded polyethylene edge strips to suit specific systems.

Strip type	YELOfon ES5/10	YELOfon ES BPF	YELOfon FS30/50	YELOfon E-strip
Description	Extruded polyethylene foam roll	Extruded polyethylene foam roll with perforations and bonded polythene flange	Profiled extruded polyethylene foam strip	Extruded polyethylene foam roll with self adhesive backing, Surebond facing and foldable flaps
Dimensions	5mm(t) x 60mm (h) x 50m(l) 5mm(t) x 100mm(h) x 50m(l) 5mm(t) x 120mm(h) x 50m(l) 5mm(t) x 150mm(h) x 50m(l) 10mm(t) x 100mm(h) x 50m(l) 10mm(t) x 150mm(h) x 50m(l)	5mm(t) x 100mm(h) x 50m(L) 5mm(t) x 150mm(h) x 50m(L) 10mm(t) x 150mm(h) x 50m(L) (with self adhesive backing)	FS30: 6mm x (30mm x 30mm) x 2m FS50: 6mm x (50mm x 30mm) x 2m	7mm x 200mm x 33m
Profile				

Note. Special size flanking strips manufactured to order, subject to minimum quantity.

Caution Failure to install a perimeter flanking strip correctly will result in acoustic failure