

Physical Properties - YELOfon Floor Insulation (Acoustic)

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

Acoustic insulation		YELOfon			
Properties	Unit	CHIP 23	CHIP 28	HD5	HD10+
Resilient layer / slab composition	-	Closed-cell, cross-linked polyethylene		Closed-cell polyethylene	Closed-cell polyethylene with Surebond facing
Type and thickness of facing*/ batten	-	18mm P5 chipboard	18mm P5 chipboard	-	-
Resilient layer thickness	mm	5	10	5	10
Overall thickness	mm	23	28	5	10
Board size / roll size / slab size	m	0.6 x 2.40	0.6 x 2.40	1.5 x 75	1.5 x 33.33
Weight	kg/m ²	12.75	12.90	<0.15 (30kg/m ³)	<1.0
	kg/board/roll	18.36	18.57	18.56	<25
Long term water absorption (Resilient layer)	% vol.	<5.0 ⁽¹⁾	<5.0 ⁽¹⁾	<5.0 ⁽¹⁾	<5.0 ⁽¹⁾
Global warming potential (GWP)		0	0	<5	<5



Note
⁽¹⁾Percentage of water absorption after 28 days fully immersed (foam)

Acoustic Edge Strips

Collecta's range of flexible extruded polyethylene edge strips have excellent physical properties:

- Environmentally friendly - CFC, HCFC & HFC free
- Excellent acoustic performance
- Zero ODP
- <5 GWP
- Very low water absorption (<5% BS EN ISO 2896)
- Closed-cell structure

Technical Advice 08456 71-71-74

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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