

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 composition	-	Closed cell, cross-linked polyethylene		Closed cell, non-cross-linked polyethylene	
Type and thickness of facing*	-	18mm P5 chipboard	18mm P5 chipboard	-	100 micron HDPE (Surebond)
Resilient layer thickness	mm	10	10	5	10
Overall thickness	mm	23	28	5	10
Board size / roll size / batten length	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

Notes.
⁽¹⁾Percentage of water absorption after 28 days fully immersed

“Peel clean” option available on all chipboard products

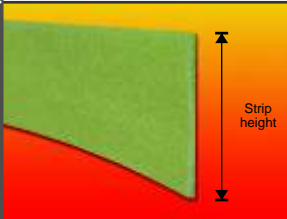
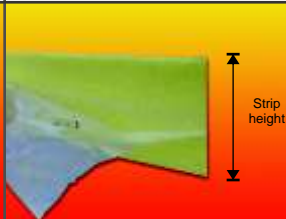
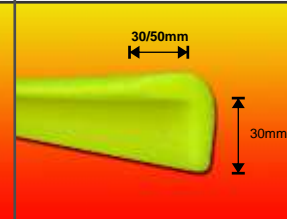
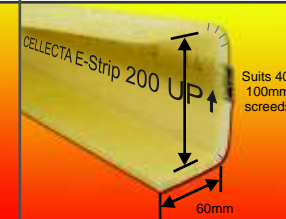
Acoustic Edge Strips

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

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

Technical Advice 08456 71-71-74

www.collecta.co.uk

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.

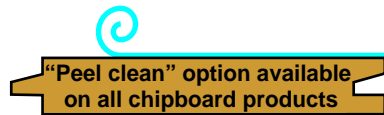
Caution Failure to install a perimeter flanking strip correctly will result in acoustic failure

Physical Properties - FIBREfon 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		FIBREfon						
Properties	Unit	12	20	MDF 12	CHIP 21	CHIP 25	CHIP 30	CHIP 38
Resilient layer composition	-	100% Recycled fibre board		100% Recycled PES		100% Recycled fibre board		
Type and thickness of facing*/ batten	-	-	-	9mm MR MDF	18mm P5 chipboard	18mm P5 chipboard	18mm P5 chipboard	18mm P5 chipboard
Resilient layer thickness	mm	12	20	3	3	7	12	20
Overall thickness	mm	12	20	12	21	25	30	38
Board size / roll size / batten length	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 2.40
Weight	kg/m ²	3.20	5.33	6.95	12.95	14.40	15.70	17.85
	kg/board/roll	4.61	7.68	11.00	20.00	20.75	22.62	25.70
Long term water absorption (Resilient layer)	% vol.	<8.5 ⁽²⁾	<8.5 ⁽²⁾	<8.5 ⁽²⁾	<8.5 ⁽²⁾	<8.5 ⁽²⁾	<8.5 ⁽²⁾	<8.5 ⁽²⁾
Compressive strength	kPa	220 ⁽⁶⁾	220 ⁽⁶⁾	200 ⁽⁶⁾	200 ⁽⁶⁾	220 ⁽⁶⁾	220 ⁽⁶⁾	220 ⁽⁶⁾
Global Warming Potential (GWP)		0	0	0	0	0	0	0

Notes:
⁽¹⁾ Percentage of water absorption after 28 days in an atmosphere of 95% relative humidity at 20°C
⁽²⁾ @ 10% compression



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- Closed-cell structure



Strip type	YELOfon ES5/10	YELOfon ES BPF	YELOfon FS	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)	6mm x (30mm x 30mm) x 2m	7mm x 200mm x 33m
Profile				

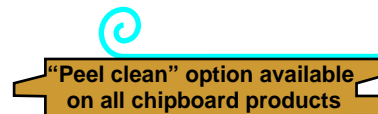
Note. Special size flanking strips manufactured to order, subject to minimum quantity.

Physical Properties - DECKfon Floor Insulation (Acoustic)

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Acoustic insulation		DECKfon									
Properties	Unit	Ultralay 3	Ultralay 5	MDF 17T	CHIP 26T	CHIP 30T	CHIP 37T	Quattro	Batten 45	Batten 70	Cradles
Resilient layer composition	-	Open cell, low resonance, recycled, ultra high density, polyurethane		Open cell, low resonance, recycled, flexible polyurethane (Grade A2)			Open cell, low resonance, recycled, flexible polyurethane (Grade B1)		Open cell, low resonance, recycled, flexible polyurethane (Grade B1)		Open cell, low resonance, recycled, ultra high density, polyurethane
Type and thickness of facing*/ batten	-	N/A	N/A	9mm MR MDF	18mm P5 chipboard	22mm P5 chipboard	22mm P5 chipboard	18mm P5 chipboard	40mm (h) x 45mm (w)	65mm (h) x 45mm (w)	To suit 45mm (w) batten
Resilient layer thickness	mm	3	5	8	8	8	15	15	10	10	10
Overall thickness	mm	3	5	17	26	30	37	45	45 ⁽⁴⁾ (Design height)	70 ⁽⁴⁾ (Design height)	12 + batten height
Board size / roll size / batten length	m	1.00 x 2.40	1.4 x 17	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	2.40	2.40	-
Weight	kg/m ²	<2.00	<1.00	7.45	13.40	15.80	16.80	20.00	-	-	-
	kg/ board/roll	<20	<4.80	10.74	19.29	22.75	24.20	28.88	-	-	-
Long term water absorption (Resilient layer)	% vol.	36 ⁽¹⁾	36 ⁽¹⁾	43 ⁽¹⁾	43 ⁽¹⁾	43 ⁽¹⁾	40 ⁽¹⁾	40 ⁽¹⁾	40 ⁽¹⁾	40 ⁽¹⁾	36 ⁽¹⁾
Compressive strength	kPa	20.5 ⁽²⁾	20.5 ⁽²⁾	10 ⁽³⁾	10 ⁽³⁾	10 ⁽³⁾	15 ⁽³⁾	15 ⁽³⁾	15 ⁽³⁾	15 ⁽³⁾	20.5 ⁽³⁾
Global Warming Potential (GWP)		0	0	0	0	0	0	0	0	0	0

Notes:
⁽¹⁾ Percentage of mass of water after 24 hours immersion.
⁽²⁾ @ 10% compression
⁽³⁾ @ 20% compression
⁽⁴⁾ Batten height when floor loaded to 25kg/m²



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