

# Physical Properties - FIBREfon acoustic insulation products

*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            | ScreedBoard 28     | HIGYP 32 TE                                | HIGYP 32 SE              |
| Resilient layer composition            | -                 | 100% Recycled cellulose board |                    | 100% Recycled PES  |                    | 100% Recycled cellulose board |                    |                    | Recycled PES       | Tongue and groove high density fibre board |                          |
| Type and thickness of facing*/ batten  | -                 | -                             | -                  | 9mm MR MDF         | 18mm P5 chipboard  | 18mm P5 chipboard             |                    | 18mm P5 chipboard  | 20mm ScreedBoard   | 12.5mm tapered edge HIGYP                  | 12.5mm square edge HIGYP |
| Resilient layer thickness              | mm                | 12                            | 20                 | 3                  | 3                  | 7                             | 12                 | 20                 | 8                  | 20   | 20                       |
| Overall thickness                      | mm                | 12                            | 20                 | 12                 | 21                 | 25                            | 30                 | 38                 | 28                 | 32.5                                       | 32.5                     |
| 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 1.20         | 1.2 x 2.40                                 | 1.2 x 2.40               |
| Weight                                 | kg/m <sup>2</sup> | 3.20                          | 5.33               | 6.95               | 13.10              | 14.50                         | 15.80              | 18.00              | 26.00              | 16.00                                      | 16.00                    |
|  | kg/board/roll     | 4.61                          | 7.68               | 11.00              | 18.88              | 20.88                         | 22.75              | 25.92              | 18.72              | 46.08                                      | 46.08                    |
| Compressive strength                   | kPa               | 220 <sup>(2)</sup>            | 220 <sup>(2)</sup> | 200 <sup>(2)</sup> | 200 <sup>(2)</sup> | 220 <sup>(2)</sup>            | 220 <sup>(2)</sup> | 220 <sup>(2)</sup> | 220 <sup>(2)</sup> | N/A  | N/A                      |
| Global Warming Potential (GWP)         |                   | 0                             | 0                  | 0                  | 0                  | 0                             | 0                  | 0                  | 0                  | 0  | 0                        |

Notes  
<sup>(2)</sup> Minimum value at 10% compression  
 \* Special size manufactured to order



| Acoustic insulation (sound absorbing slab) |                   | FIBREfon                |                         |
|--|-------------------|-------------------------|-------------------------|
| Properties                                 | Unit              | MICRO SLAB 15           | MICRO SLAB 50           |
| Resilient layer composition                | -                 | Recycled PES fibre slab | Recycled PES fibre slab |
| Type and thickness of facing*/ batten      | -                 | -                       | -                       |
| Resilient layer thickness                  | mm                | -                       | -                       |
| Overall thickness                          | mm                | 15                      | 50                      |
| Board size / roll size / batten length     | m                 | 0.6 x 1.20              | 0.4 x 1.20              |
| Weight                                     | kg/m <sup>2</sup> | <0.5                    | <1.0                    |
|  | kg/board/roll     | <0.5                    | <1.0                    |
| Compressive strength                       | kPa               | -                       | -                       |
| Global Warming Potential (GWP)             |                   | 0                       | 0                       |

## 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

| Strip type  | YELOfon ES5/10   | YELOfon FS30/50  |
|-------------|--|--|
| Description | Extruded polyethylene foam roll  | Profiled extruded polyethylene foam strip  |
| Dimensions  | <b>5mm(t)</b> x 60mm (h) x 50m(l)<br><b>5mm(t)</b> x 100mm(h) x 50m(l)<br><b>5mm(t)</b> x 120mm(h) x 50m(l)<br><b>5mm(t)</b> x 150mm(h) x 50m(l)<br><br><b>10mm(t)</b> x 100mm(h) x 50m(l)<br><b>10mm(t)</b> x 150mm(h) x 50m(l) | <b>FS30:</b><br>6mm x (30mm x 30mm) x 2m<br><b>FS50:</b><br>6mm x (50mm x 30mm) x 2m |
| Profile     |  |  |

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