ARCHIsonic®
Felt

812.10.24.000.00
812.10.12.000.00
**Quiet Neutrals**  
**12mm & 24 mm**
These shades work in harmony with natural textural materials and soften industrial environments. From light to dark and cool to warm, these are the foundations of any scheme where longevity and a mood of calm is desired.

- **Snow White** 500
- **Cloud** 103
- **Smoke** 442
- **Ground** 108
- **Charcoal** 542
- **Slate** 444
- **Raven** 550
- **Linen** 107
- **Jute** 920

**Warm Naturals**  
**12mm & 24 mm**
Combinations of lighter toned neutrals and pinks have a gently soothing and restorative effect, while the more saturated hues make perfect environments for relaxation.

- **Warm Stone** 105
- **Milk** 404
- **Shell Pink** 102
- **Soft Coral** 516
- **Terracotta** 239
- **Garnet** 724
- **Linen** 107
- **Jute** 920
- **Honeycomb** 139

**Living Greens**  
**12mm & 24 mm**
From the cool greens of forests to the yellowed aspect of young wheat, we see Living Greens breathing life into indoor spaces, and an essential palette for the future. Use in tonal layers brings the depth and diversity of green, while a single note can provide an amplifying backdrop to a biophilic space.

- **Spearmint** 706
- **Succulent** 712
- **Moss** 439
- **Nordic Pine** 311
- **Grove** 317

**Elemental Blues**  
**12mm & 24 mm**
These blues work perfectly both as familiar single hues and in effortless tonal layers to create an immersive environment for focus or restoration.

- **Ice Blue** 304
- **Winter Sky** 410
- **Marine Blue** 864
- **Pacific Ocean** 432
- **Midnight** 810
- **Deep Sea** 918

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**Soothing Pastels**

12mm & 24 mm

With tonal duos of pink and blue and green, this perfectly balanced group is designed for peaceful plays on light and shade and playful contrast. While the lightest tones have a dreamlike quality, their deeper counterparts add a subtle grounding.

- **Shell Pink** 102
- **Soft Coral** 516
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- **Winter Sky** 410
- **Spearment** 706
- **Succulent** 712

**Elegant Darks**

12mm & 24 mm

While colour can create a mood, it is the depth or lightness of a hue that truly defines the emotion. While each hue has the strength to stand alone, beautiful effects can be achieved with harmonized pairs.

- **Garnet** 724
- **Marine Blue** 864
- **Midnight** 810
- **Nordic Pine** 311
- **Raven** 550

**Primary Play**

12mm & 24 mm

The primary story happens when all three main colours are used together, with varied proportions creating differing moods. As with the Energetic Brights palette, combine with coordinating-coloured textiles and solid surfaces.

- **Snow White** 500
- **Charcoal** 542
- **Sunshine** 846
- **Poster Red** 662
- **Marine Blue** 864

**Energetic Brights**

12mm & 24 mm

There are no rules here with endless possibilities for clashing contrasts or surprising highlights. For a sophisticated use of energetic colour, take a single hue and colour match contrasting textiles and solid surfaces.

- **Pacific Ocean** 432
- **Moss** 439
- **Sunshine** 846
- **Electric Orange** 464
- **Hot Pink** 140
- **Grape** 540

**Primary Pastels**

12mm & 24 mm

These pastel hues are placed in a variety of pairs, with different bases that can be placed side by side to create a unique look. They are suitable for any space that needs a change of mood.

- **Marble Blue** 864
- **Nordic Pine** 311
- **Soft Coral** 516
- **Succulent** 712
- **Winter Sky** 410

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ARCHISONIC®
Felt

Matching NCS Colour Codes
Developed by Colour Hive

<table>
<thead>
<tr>
<th>NCS Code</th>
<th>Quiet Neutrals</th>
<th>Warm Naturals</th>
<th>Living Greens</th>
<th>Soothing Pastels</th>
<th>Elegant Darks</th>
<th>Energetic Brights</th>
<th>Primary Play</th>
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<tbody>
<tr>
<td>S 0300-N</td>
<td>500</td>
<td>105</td>
<td>706</td>
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<td>724</td>
<td>432</td>
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<td>S 1002-B</td>
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<td>404</td>
<td>712</td>
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<td>439</td>
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<td>516</td>
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<td>410</td>
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<td>920</td>
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<td>944</td>
<td>846</td>
<td>846</td>
</tr>
</tbody>
</table>

These NCS codes are the closest visual match available and may not be exact to blended fibres.

Colour fastness
Class 6
ISO 105-B02 A1

Colour and surface deviation
ARCHISONIC® Felt is manufactured to the highest quality standards, but slight colour and surface varia-
tions caused by the high percentage of recycled fibers are an unavoidable part of the product characteris-
tics and do not claim warranty. Please request a free sample box to verify the colours.

ARCHISONIC®
Felt

Composition
100% PET (60% certified post-consumer content)

Material Reutilisation
24mm | 12mm
88 PET bottles/m² | 53 PET bottles/m²

Density
24mm | 12mm
4000 g/m² (+/-10%) | 2400 g/m² (+/-10%)

Dimensions Raw Panels
24mm | 12mm
1800 x 2400 x 24mm | 1200 x 2800 x 12mm
70” x 94” x 0.94” (+/-7%) | 47” x 110” x 0.47” (+/-7%)

Fire Test
B-s1, d0 | Class A
DIN EN 13501-1 | ASTM E84

VOC Emission
A+ | Pass
28 Days French Regulation | 14 Days CDPH/EHLB

Care Instructions
PET fibres do not provide a breeding ground for bacteria and other germs. The dyed-through fibres do not ble-
ach out even when using aggressive cleaning agents and disinfectants. Alcohols, aldehydes or active chlorine
can be used for cleaning.

For daily cleaning we recommend alcohol solution (75%), e.g. Pantasept. In case of contamination by dust or
fluff, use feather duster or a regular vacuum cleaner. For heavy dirt, treat the material with hydrogen peroxide.

IMPACT ACOUSTIC® Bodenhof 4, 6014 Luzern (Switzerland)
### Archisonic Felt

#### Acoustic Technical Specifications

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1000</th>
<th>2000</th>
<th>4000</th>
<th>αw</th>
<th>NRC</th>
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</thead>
<tbody>
<tr>
<td>Archisonic Felt 24mm</td>
<td>0.05</td>
<td>0.25</td>
<td>0.55</td>
<td>0.90</td>
<td>1.05</td>
<td>1.10</td>
<td>0.55</td>
<td>0.70</td>
</tr>
<tr>
<td>Archisonic Felt 24mm with 40mm insulation</td>
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<td>0.95</td>
<td>0.95</td>
<td>0.80</td>
<td>0.90</td>
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</tr>
<tr>
<td>Archisonic Felt 24mm with 50mm insulation</td>
<td>0.55</td>
<td>0.80</td>
<td>0.90</td>
<td>0.95</td>
<td>0.95</td>
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<tr>
<td>Archisonic Felt 24mm with 50mm air cavity</td>
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<tr>
<td>Archisonic Felt 24mm with 100mm air cavity</td>
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<td>Archisonic Felt 24mm with 200mm air cavity</td>
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<td>Archisonic Felt 24mm with 300mm air cavity</td>
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<td>1.00</td>
<td>1.05</td>
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### Sound Absorption Coefficient ($\alpha_s$) according to EN ISO 354

The graph represents the sound absorption coefficients ($\alpha_s$) in the third octave band center frequencies. Measurement used Pink Noise as excitation signal in a reverberant room.

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### Archisonic Felt 12mm

#### Acoustic Technical Specifications

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<th>125</th>
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<th>1000</th>
<th>2000</th>
<th>4000</th>
<th>αw</th>
<th>NRC</th>
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<td>0.25</td>
<td>0.55</td>
<td>0.85</td>
<td>1.05</td>
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<tr>
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<td>0.30</td>
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<tr>
<td>Archisonic Felt 12mm with 50mm insulation</td>
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<tr>
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<td>0.70</td>
<td>0.80</td>
<td>0.75</td>
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<th>500</th>
<th>103</th>
<th>442</th>
<th>108</th>
<th>542</th>
<th>444</th>
<th>550</th>
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<tr>
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<td>61.9%</td>
<td>51.4%</td>
<td>34.6%</td>
<td>22.5%</td>
<td>6%</td>
<td>7.9%</td>
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<tr>
<td><strong>Warm Naturals</strong></td>
<td>27.5%</td>
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<td>55.2%</td>
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<td>10.3%</td>
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<tr>
<td><strong>Living Greens</strong></td>
<td>51.7%</td>
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<tr>
<td><strong>Elemental Blues</strong></td>
<td>30.4%</td>
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<td>86.4%</td>
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<tr>
<td><strong>Soothing Pastels</strong></td>
<td>102%</td>
<td>516%</td>
<td>304%</td>
<td>410%</td>
<td>706%</td>
<td>712%</td>
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<tr>
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<td>55.2%</td>
<td>34.1%</td>
<td>60%</td>
<td>32%</td>
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<tr>
<td><strong>Energetic Brights</strong></td>
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<td>9.7%</td>
<td>3.7%</td>
<td>10.3%</td>
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<td><strong>Primary Play</strong></td>
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<td>44.3%</td>
<td>12.5%</td>
<td>9.5%</td>
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</tr>
</tbody>
</table>

### Sustainability

**Supported by**

[Logo Images]

**IMPACT ACOUSTIC®** Bodenhof 4, 6014 Luzern (Switzerland)
#We Make An Impact