

## Product information

# bluefiber panel I.40

|                                   |                                                                                                                               |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Item number                       | 02058-001                                                                                                                     |
| Type of nonwoven                  | Sound-absorbing acoustic panel made of polyester, thermally & mechanically bonded, without chemical binders. Smoothed surface |
| Fiber composition                 | 100% Polyester                                                                                                                |
| Performance type                  | panel I                                                                                                                       |
| Thickness<br>caliper              | 40 mm                                                                                                                         |
| Color                             | warm white                                                                                                                    |
| Basis weight<br>DIN EN ISO 9073-1 | 3000 g/m <sup>2</sup>                                                                                                         |
| Standard format                   | 2,07 m x 3,07 m                                                                                                               |
| Packaging unit                    | pallet                                                                                                                        |
| Quantity per packaging unit       | 30 panels                                                                                                                     |

This information has been prepared with reasonable care and diligence as usual in the course of legal communication. Sandler provides no warranties as to the completeness of the information. The properties mentioned are typical values and shall not be deemed agreed quality features. Deviations from the information provided with regard to packaging, storage or delivery may result in product alterations. Processors as well as users shall be obliged to use the product in accordance with the applicable laws and regulations. On an individual basis test certificates may be requested. This data sheet may be updated without prior notice. Thus, a valid data sheet is to be requested prior to each construction project. Failure to do so shall not be at our expense.

SA 2026-04

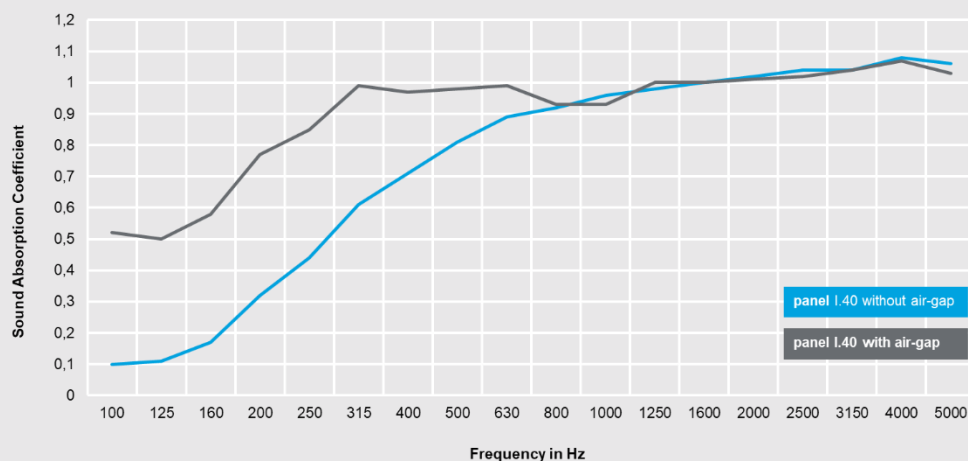
## Product information

### bluefiber panel I.40

|                                                           | without air-gap<br>to the reverberation room floor | 200 mm air-gap<br>to the reverberation room floor |
|-----------------------------------------------------------|----------------------------------------------------|---------------------------------------------------|
| Weighted sound absorption coefficient<br>DIN EN ISO 11654 | C   $\alpha_w = 0,75$ (H)                          | A   $\alpha_w = 1$                                |
| NRC<br>ASTM C423                                          | 0,80                                               | 0,95                                              |
| SAA<br>ASTM C423                                          | 0,81                                               | 0,95                                              |

|                                                     |                             |
|-----------------------------------------------------|-----------------------------|
| Specific flow resistance<br>DIN EN ISO 9053-1       | 638 Pa s/m                  |
| Length-related flow resistance<br>DIN EN ISO 9053-1 | 16,0 kPa · s/m <sup>2</sup> |

#### Sound absorption in the reverberation room according to DIN EN ISO 354



This information has been prepared with reasonable care and diligence as usual in the course of legal communication. Sandler provides no warranties as to the completeness of the information. The properties mentioned are typical values and shall not be deemed agreed quality features. Deviations from the information provided with regard to packaging, storage or delivery may result in product alterations. Processors as well as users shall be obliged to use the product in accordance with the applicable laws and regulations. On an individual basis test certificates may be requested. This data sheet may be updated without prior notice. Thus, a valid data sheet is to be requested prior to each construction project. Failure to do so shall not be at our expense.

SA 2026-04

## Product information

### bluefiber panel I.40

|                                                                                                                                                                                                                                                                                                                                     | classification                                                      | assembly situation                                                                                                                                   |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <b>Flame resistance</b><br>DIN EN 13501-1                                                                                                                                                                                                                                                                                           | B – s1, d0<br><br>equivalent to B – s2, d0<br>when used in Germany* | in free standing/free hanging configuration,<br>with a distance of at least 80 mm to other<br>plane building materials, butted joints<br>permissible |                           |
| <p>The classification depends on the specific assembly situation. Performances with different assembly situations as described can change the reaction to fire and the qualified FR classification.</p> <p>* new regulation for s1 according to MVV TB 2023/1, annex 4 – table 1.2: <math>TSP_{600s} \leq 35 \text{ m}^2</math></p> |                                                                     |                                                                                                                                                      |                           |
|                                                                                                                                                                                                                                                                                                                                     | German<br>AgBB (2024)                                               | French<br>VOC class A+                                                                                                                               | Belgian<br>VOC-regulation |
| <b>Emissions</b><br>DIN EN 16516                                                                                                                                                                                                                                                                                                    | ✓                                                                   | ✓                                                                                                                                                    | ✓                         |
| <b>Resistance against fungi &amp; bacteria</b><br>DIN EN ISO 846 – procedures A and C                                                                                                                                                                                                                                               | inert to fungal and bacterial growth                                |                                                                                                                                                      |                           |

This information has been prepared with reasonable care and diligence as usual in the course of legal communication. Sandler provides no warranties as to the completeness of the information. The properties mentioned are typical values and shall not be deemed agreed quality features. Deviations from the information provided with regard to packaging, storage or delivery may result in product alterations. Processors as well as users shall be obliged to use the product in accordance with the applicable laws and regulations. On an individual basis test certificates may be requested. This data sheet may be updated without prior notice. Thus, a valid data sheet is to be requested prior to each construction project. Failure to do so shall not be at our expense.

SA 2026-04

## Product information

### bluefiber panel I.40

|                                                                                                                              | test result | test conditions                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Bending stiffness</b><br>(force at deflection 10 mm)<br>tested in accordance with DIN EN ISO 178                          | 40 N        | support span: 450 mm<br>width pressure fin: 50 mm<br>sample size: 75 mm x 500 mm<br>test speed: 100 mm/min         |
| <b>Ball indentation hardness surface</b><br>(force at indentation depth 5 mm)<br>tested in accordance with DIN EN ISO 2039-1 | 70 N        | ball diameter: 20 mm<br>sample size: 100 mm x 100 mm<br>ball position: surface centered<br>test speed: 100 mm/min  |
| <b>Ball indentation hardness edge</b><br>(force at indentation depth 5 mm)<br>tested in accordance with DIN EN ISO 2039-1    | 55 N        | ball diameter: 20 mm<br>sample size: 100 mm x 100 mm<br>ball position: cut edge centered<br>test speed: 100 mm/min |
| <b>Thermal resistance (R) (10 °C)</b><br>tested in accordance with DIN EN 12667                                              | 1,22 m² K/W |                                                                                                                    |
| <b>Light reflectance value</b> (at standard illuminant D65)<br>BS 8493                                                       | 86,0 %      |                                                                                                                    |
| <b>Gloss level GU</b><br>DIN EN ISO 2813                                                                                     | 1,4         |                                                                                                                    |
| <b>Color fastness to artificial light</b><br>DIN EN ISO 105-B02                                                              | grade ≥ 6   |                                                                                                                    |

This information has been prepared with reasonable care and diligence as usual in the course of legal communication. Sandler provides no warranties as to the completeness of the information. The properties mentioned are typical values and shall not be deemed agreed quality features. Deviations from the information provided with regard to packaging, storage or delivery may result in product alterations. Processors as well as users shall be obliged to use the product in accordance with the applicable laws and regulations. On an individual basis test certificates may be requested. This data sheet may be updated without prior notice. Thus, a valid data sheet is to be requested prior to each construction project. Failure to do so shall not be at our expense.

SA 2026-04