# Product Specification

## NOISEflex® Piano

Closed cell polyethylene foam

**Technical data:**

| | | | |
|---|---|---|---|
| Nominal Density | | 25 kg/m³ | ASTM D3575-08 Suffix W / ISO 845:2006 |
| Compressive Strength | vertical at 25% | 7 kPa | ASTM D3575-08 Suffix D / ISO 7214:2007 |
| | vertical at 50% | 12 kPa | |
| Compressive Strength | 25% (4th compression) | 3 kPa | ISO 3386 1986 part 1 / DIN 53577 (100 mm |
| | 50% (4th compression) | 7 kPa | / min compression speed) |
| | 70% (4th compression) | 25 kPa | |
| Compression Set | 50% compression | < 30 % | ASTM D3575-08 Suffix B |
| | 25% compression | < 20 % | ISO 1856:2000 |
| Cell Size | | < 10 Cells / 25 mm | BS 4443/1 Met.4 |
| Fire characteristics | Transportation | R10, HL1-3 - Floor composites | TS EN 45545-2 |
| | | R1, HL1 - Interior vertical surfaces | TS EN 45545-2 |
| | | R7, HL1 - External body shell | TS EN 45545-2 |
| | Automotive | S3, SR2, ST2 | DIN 54837 |
| | | Pass | FMVSS 302 |
| | Building & Construction | B1 | DIN 4102 |
| | | B-s1-d0 | EN 13501-1, Thickness 20 – 30 mm |
| | | B-s2-d0 | Thickness 40 – 100 mm |
| Water pick up by diffusion | | < 3 kg / m² | UNI EN 12088 (RH > 95 % - after 28 days) |
| | | < 5 volume % | |
| Thermal Conductivity | at 23 °C | $\lambda_{23}$ = 0.104 W/m·K | ASTM D3575-08 Suffix V / ISO 8301 |
| | at -5 °C | $\lambda_{-5}$ = 0.082 W/m·K | |
| Thermal stability | 24 hrs. at 70 °C | < 3 % | ASTM D3575-08 Suffix S / ISO 2796 |
| Temperature range of use | | - 40 °C to + 80 °C | |
| Tensile strength | at peak | 130 kPa | ASTM D3575 Suffix T / ISO1798 |
| Tensile Elongation | | 60 % | ASTM D3575 Suffix T / ISO1798 |
| VOC Emissions | | Class A+ | AFNOR NF EN ISO 16000-9 |
| Airflow resistivity | 25 mm | 510,000 Pa·s/m³ = Rayls/m² | UNI EN 29053: 1994 |
| | 50 mm | 2,785,000 Pa·s/m³ = Rayls/m² | |

**Attention! Important Note:**
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This technical data sheet replaces all previous versions and is valid until a new version is issued, or until Dec. 31, 2026. Please request the latest version after Jan. 01, 2027.

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