BOWIQ
beyond acoustics

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Product group: BoStretch Translucent Fabric (Lumen)

Description

White, highly translucent textile membrane designed for backlit applications. It provides excellent light diffusion and a soft fabric texture, making it ideal for illuminated ceilings, islands, and light boxes. The material ensures uniform brightness even at minimal installation depths and offers exceptional print clarity for creative interior designs. The acoustic performance of the system can be enhanced with acoustic backing.

Key features

- 100 % polyester base fabric with PU-acrylic coating (ISO 2076)
- Weight ≈ 175 g/m^2 | Thickness ≈ 0.35 mm (ISO 2286-2)
- High tensile strength ≈ 1300 / 1250 N per 5 cm (ISO 1421-1)
- Translucency ≈ 50 % (± 5 %) (PA 2001/41)
- Available width up to 5.1 m
- Available length 75/ 100 m
- PVC-free, free from heavy metals
- Soft, fine textile surface with excellent printability (UV/ Latex)
- Crease-resistant, foldable, easy to handle
- Fire Rating B-s1,d0 (EN 13501-1)
- Acoustic with added acoustic panel backing

Use cases

- Backlit stretch-ceilings, rafts/ Islands and luminous boxes
- Illuminated feature walls, luminous boxes
- Applications requiring high translucency with fabric aesthetics
- Interior backlit stretch-ceiling and wall applications in hotels, offices, retail, theatres, sports halls, hospitals, entertainment and exhibitions spaces

Application

- Install at room temperature; fabric remains stable under temperature variations
- Compatible with BoStretch profiles
- Even tensioning required for consistent light diffusion
- Printable (UV/ Latex printing)
- Maintain low installation depth ≥ 150 mm for optimum diffusion

Installation conditions

- Support structure must be rigid, clean, and dimensionally stable
- The substrate must be free of dust, grease, or loose particles before installation
- Avoid sharp edges that may scratch the membrane
- Maintain balanced indoor climate during installation (15–30 °C, 50 % RH)
- The room and the plenum should be free of dust and loose particles before installation