

TECHNICAL SPECIFICATIONS FOR BARRYLUCS FABRICS

Specially designed to meet Barrylucs universe ceiling and wall requirements.

Definition:

- high-performance flexible panel, flame-retarded throughout
- guaranteed cadmium-free polyvinyl chloride-based copolymer

Reaction with fire: - naturally non-flammable, M1 classification

Resistance:

- resists: water and damp, seawater, copper salt solutions, X-rays.
- resists at a maximum concentration of 15%: sulphuric acid, nitric acid
- resists at a maximum concentration of 10%: soda lye

Hygiene: - non-toxic, naturally fungicidal, sterilisable, washable

Dimensions – weight:

Fabric texture	Panel thickness	Weight
Matt – lacquered – satin – metallic – perforated - translucent	≈ 18/100 mm	≈ 180 g/sqm ≈ 18 g/sqft
Brushed suede - perforated	≈ 36/100 mm	≈ 320 g/sqm ≈ 32 g/sqft

- dimensional stability: -15°C to +45°C

Hygrometry: Permeability to water vapour

for hygrometric degree < 65% RH = 0.0030 g/hr sqm mm Hg
 for hygrometric degree > 65% RH = 0.0045 g/hr sqm mm Hg

In view of the results of these measurements, the fabric may be considered to be a very effective impermeable barrier to water

Heat conductivity coefficient: 0.16 x cal/m H°C

Heat coefficient K with 3 cm air gap + 4.5 cm glass wool insulating materials: K = 0.785

Mechanical characteristics:

Strength	Longitudinal	Transversal
Tear strength	196.50 kg/sqcm or 2788.34 lb/in ²	220.80 kg/sqcm or 3133.15 lb/in ²
Elongation at rupture	231 %	309 %
Tensile strength and elongation at rupture (ISO weight standard)	S = 1,60 dN E = 170 %	S = 2,00 dN E = 255 %

Reflexion and light transmission characteristics of the sheet

Fabrics	% reflection	% transmission
02011 Blanc lys laqué	≈ 78,8	≈ 9,6
01010 Blanc mat	≈ 81	≈ 9,8
02073 Bleu bleuet laqué	≈ 10	≈ 0,1
04013 Translucide clair de lune	≈ 43,8	≈ 72

Material retention: Shape-retentive molecules

Fabric recycling: 100% recyclable, respecting the environment