

SONATA - Data Sheet

Ekous is a lightweight semi-rigid panel made with solid colour throughout, offering design flexibility without the need for edging or capping. Ekous will help increase privacy in open offices, reduce reverberated sound, and assist in controlling background chatter noise.

Ekous is made from polyester (which is recyclable) Ekous contains a minimum of 65% post-consumer recycled material (PET bottle-flake).

Ekous is a high-density material manufactured from 100% polyester fibres. Ekous is therefore completely safe, nontoxic, non-allergenic and non-irritant. Ekous is ideally suited for office Ekous screen manufacture, partition dividers or as a pre-finished acoustic panel.



Key Benefits

- Ekous is made from 100% polyester fibre without chemical binders
- Manufactured using a minimum of 65% already recycled polyester fibre, made from post-consumer waste
- Design flexibility without the need for edging or capping, created with solid colour throughout
- Excellent acoustic performance
- Highly durable providing long-term stability and performance
- Safe, non-toxic, non-irritant and non-allergenic
- Light-weight and easy to handle
- Offers complete design flexibility with our ability to provide custom colour printing

Applications

Acoustic and pinboard surface for modular office partition panelling display, privacy and noise control for modular room divider.

Freestanding, or direct fix acoustic panel. Decorative and functional acoustic wall covering for education, retail, and commercial interiors.

Product Specifications

Product Name	Ekous
Composition	50% Polyester , 50% Melted fiber
Panel Dimensions	Standard: 2400mm x 1200mm (+/- 2.5mm)

Product Format

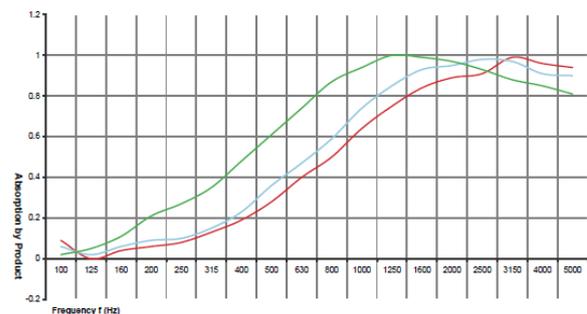
Thickness (mm)	9mm
Weight	6kg
Density (Kg/m ³)	200Kg/m ³

Fastness to Light

Ekous is suitable for indoor use only.

Acoustic Performance

Ekous has been designed to reduce and control reverberated (echo) noise in building interiors.



Frequency (Hz)	250	500	1000	2000	4000	NRC
Ekous	0.08	0.28	0.64	0.89	0.96	0.45
Ekous with 6mm air gap	0.10	0.16	0.74	0.95	0.91	0.55
Ekous with 25mm air gap	0.27	0.61	0.94	0.97	0.85	0.70

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Moisture Absorption

Polyester fibre when exposed to an atmosphere of 50°C at 90% relative humidity for four days showed moisture absorption of less than 0.03% by weight. Polyester is not affected by moisture, mould or mildew and will not rot or deteriorate in intended use situations.

Environmental

Ekous products contain a minimum of 65% previously recycled polyester fibre (from PET bottle-flake) ensuring comparatively low embodied energy. Off-cuts and manufacturing waste is re-used or recycled wherever possible.

Uncontaminated Ekous can be recycled.

Ekous is manufactured from 100% polyester fibres and does not contain formaldehyde binders. Ekous polyester fibres will not become a potential airborne pollutant and will support safer indoor air quality.

Fabric Care

Blot spills from fabric quickly. Wipe with a damp cloth. Avoid rubbing and excessive amounts of water as this will affect the fabric finish. Use carpet or upholstery shampoo as directed. Blot with a clean dry cloth after each application of solution.

Pattern Repeat

Non-woven. No pattern repeat but product has directional grain. Product may vary from samples and batch to batch due to fibre blending and lay-up which is an inherent feature of this product.

Standard Colour



SG-03 Silver Grey



GG-05 Grass Green



PB-10 Pure Black



CH-17 Charcoal



BB-21 Bright Blue



SY-22 Smart Yellow



SO-31 Sweet Orange



SB-30 Sky Blue

** Others color available