

Flap

by Rafa Ortega

ECO zero | Acoustic design.





Suspended sound-absorbing technical ceiling, model Flap from ECOcero, composed of rotatable acoustic slats made up of 2 panels of 9 mm recycled polyester fiber. Each 2200x1175 mm module consists of 10 rotatable slats measuring 1157x200x18 mm, with a choice of color for each side of the slat. Includes a profile system with U profiles 2200 mm, M6 hanger, hangers, and caps. CE marked, Euroclass B-s1, d0 fire reaction. Compliance with low VOC emissions specifications. GOLD certification in LEED and BREEAM, GLOBAL RECYCLED STANDARD, and OEKO-TEX STANDARD 100. International patent PCT/ES2022/070189-U202132547.



IF DESIGN AWARD 2024 WINNER
FLAP
Product / Building Technology / 00. 000002

Composition	Recycled polyester fiber
Module dimension	2200x1175 mm
Slat dimension	1157x200 mm
Thickness	18 mm
Approx. module weight	8,0 kg
Approx. slat weight	0,84 kg
Surface density	3,0 kg/m ²
Absorption with 300 mm cavity	0°: ISO: $\alpha_w=0,80$. ASTM: NRC=0,85 90°: ISO: $\alpha_w=0,45$. ASTM: NRC=0,55
Fire resistance	B-s1,d0. Fire retardant. CTE for public use premises
Thermal resistance	0,450 (m ² ·K/W)
Thermal conductivity	$\lambda=0,040$ (W/m·K)
Thickness tolerance	± 1 mm
Cutting tolerance	± 2 mm
Cleaning	For surface cleaning, it is recommended to spray an alcoholic solution (75%). In case of dust or lint, use a duster or vacuum cleaner. In case of heavy soiling, treat the material with hydrogen peroxide. Do not rub.

ECO Line Certificates (PET)



LEED® Certificate (Pass)



BREEAM® Certificate (Exemplary level)



Green Building Council USGBC



Antifungal Certificate



VOCs Certificate (A+ classification)



Acoustic Absorption Certification



CE Certified (EN 15102:2007 + A1:2011)



GLOBAL RECYCLED STANDARD Certificate
(Minimum 60% Post-consumer)

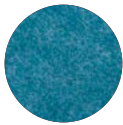


OEKO-TEX STANDARD 100 Certificate



Recycled Content Certification

Colors

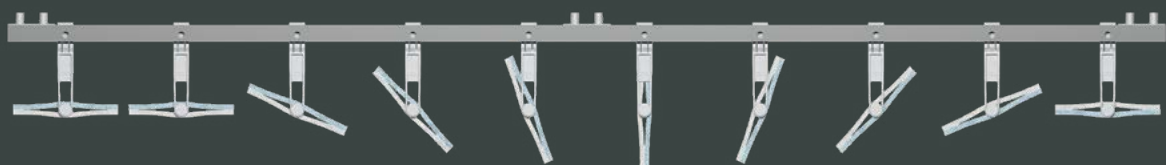
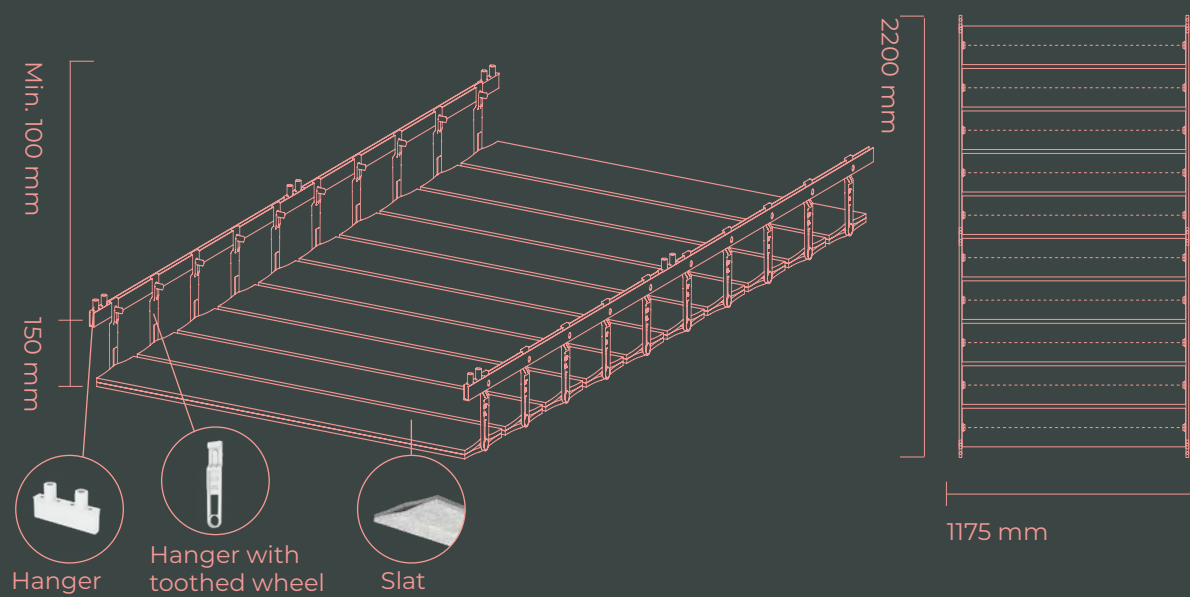
				
Dark Blue	Dark Green	Blue Green	Turquoise	N
ECO-116	ECO-139	ECO-124	ECO-140	C
NCS: S 6030-R80B	NCS: S 8010-B30G	NCS: S 3050-B20G	NCS: S 4020-B70G	NCS

N: Name
C: Color code
NCS: NCS code

		
Terracotta	Coral Pink	N
ECO-108	ECO-131	C
NCS: S 4030-Y90R	NCS: S 1030-Y80R	NCS

				
Turmeric Yellow	Dark Camel	Light Camel	Opera	N
ECO-149	ECO-112	ECO-101	ECO-107	C
NCS: S 2040Y-10R	NCS: S 3010-Y50R	NCS: S 1002-Y50R	NCS: S 1505-Y40R	NCS

						
Black	Anthracite Grey	Moon Grey	Cloudy Grey	Urban Grey	Polar White	N
ECO-127	ECO-125	ECO-123	ECO-138	ECO-136	ECO-104	C
NCS: S 9000-N	NCS: S 6502-B	NCS: S 6005-R80B	NCS: S 3000-N	NCS: S 2005-R80B	NCS: S 0502-B50G	NCS



Installation

Get inspired:





