

Unique identification code of the product-type:

**Recoma PackWall (SE2022/01)**

Intended use/es:

**Boards made from recycled beverage cartons for use in construction**

Manufacturer:

**RECOMA AB, Norra Kringelvägen 13, 281 41 Hässleholm, Sweden**

Authorized representative:

**Max Rosenberg**

System/s of AVCP:

**System 3**

European Assessment Document:

**EAD 210138-00-0504:2022**

European Technical Assessment:

**ETA 21/0912 of 10/10/2022**

Technical Assessment Body:

**Technical and Test Institute for Constructions Prague**

Declared performance/s:

**Essential characteristics: all types boards Recoma PackWall (if not stated otherwise):**

Essential characteristic and method of verification and assessment	Expression of product performance	
<b>Basic Works Requirement 1: Mechanical resistance and stability</b>		
Modulus of elasticity in bending $E_m$ (Cl.2.2.1 of EAD 210138-00-0504)	$\geq 488 \text{ N/mm}^2$	
Bending strength $f_m$ (Cl.2.2.2 of EAD 210138-00-0504)	$\geq 4,43 \text{ N/mm}^2$	
<b>Basic Works Requirement 2: Safety in case of fire</b>		
Reaction to fire (Cl.2.2.9 of EAD 210138-00-0504)	Thickness $\geq 18 \text{ mm}$ , density $\geq 900\text{kg/m}^3$ type Basic both sides ; type Design only from the side of paper skin $205 \text{ g/m}^3$	Class D – s1, d1
	Other thicknesses, all types, density $\geq 860$ $\text{kg/m}^3$	Class E
Propensity to undergo continuous smouldering (Cl.2.2.10 of EAD 210138-00-0504)	All thicknesses and types, density $\geq 900$ $\text{kg/m}^3$	The product does not show propensity to undergo continuous smouldering
<b>Basic Works Requirement 3: Hygiene, health and the environment</b>		
Vapour permeability $\mu$ (Cl.2.2.11 of EAD 210138-00-0504)	RECOMA PackWall Basic	482
	RECOMA PackWall Design	1977

**Basic Works Requirement 4: Safety and accessibility in use**

Tensile strength perpendicular to faces $f_{t,\perp}$ (Cl.2.2.13 of EAD 210138-00-0504)	$\geq 0,033 \text{ N/mm}^2$
Pull through resistance of fasteners $f_{\text{head}}$ (countersunk-head screws of effective diameter $d_h$ of the head of 8 mm) (Cl.2.2.14 of EAD 210138-00-0504)	$\geq 12,71 \text{ N/mm}^2$
Indentation hardness by means of a durometer Shore D (Shore hardness) (Cl.2.2.15 of EAD 210138-00-0504)	56,2
Durability – swelling in thickness after immersion in water $G_t$ (Cl.2.2.16 of EAD 210138-00-0504)	Thickness 18 mm $\leq 38,3 \%$
	Other thicknesses $\leq 33,9 \%$
Durability – moisture resistance - residual tensile strength perpendicular to faces $f_{t,\perp, \text{res}}$ - residual swelling in thickness after immersion in water $G_{t, \text{res}}$ (Cl.2.2.17 of EAD 210138-00-0504)	$\geq 0,024 \text{ N/mm}^2$
	$\leq 6,7 \%$

**Basic Works Requirement 5: Protection against noise**

Airborne sound insulation $R_w(C;C_{tr})$ (Cl.2.2.19 of EAD 210138-00-0504)	Thickness $\geq 12 \text{ mm}$ , density $\geq 900 \text{ kg/m}^3$ , paper skin $\geq 205 \text{ g/m}^3$	$\geq 34 (-1,6; -4,5) \text{ dB}$
Thermal conductivity $\lambda$ (Cl.2.2.21 of EAD 210138-00-0504)	$\leq 0,157 \text{ W/(m}\cdot\text{K)}$	

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



Max Rosenberg  
CEO, Recoma AB