



FLEXIBAU s.r.o.
Na poříčí 1079/3a
110 00 Praha 1

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CZ2020/01

PackWall

EAD 210138-00-0504:2020

Boards made from recycled beverage cartons for use in construction

Modulus of elasticity in bending E_m	$\geq 393 \text{ N/mm}^2$
Bending strength f_m	$\geq 3,58 \text{ N/mm}^2$
Reaction to fire	D - s1, d1
Vapour permeability μ	705
Tensile strength perpendicular to faces $f_{1,\perp}$	$\geq 0,06 \text{ N/mm}^2$
Pull through resistance of fasteners f_{head}	$\geq 3,43 \text{ N/mm}^2$
Indentation hardness by means of a durometer Shore D (SHORE hardness)	43,5
Durability – swelling in thickness after immersion in water G_t	$\leq 13,4 \%$ (Thickness 18 mm)
	$\leq 25,2 \%$ (Other)
Durability – moisture resistance - residual tensile strength perpendicular to faces $f_{1,\perp, \text{res}}$ - residual swelling in thickness after immersion in water $G_{t, \text{res}}$	$\geq 0,061 \text{ N/mm}^2$ $\leq 6,9 \%$
Airborne sound insulation $R_w(\mathbf{C}; \mathbf{C}_{tr})$	$\geq 32(0;-3) \text{ dB}$
Thermal conductivity λ	$\leq 0,19 \text{ W/(m}\cdot\text{K)}$