

ECO-CEM® SPECIFICATIONS

Standards & Certificates:

Both manufacturing facilities hold the latest versions of the following ISO certificates:

- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System

Declaration of Performance:

Essential Characteristics	Performance	Harmonised technical specification
Type of sheets	NT	EN 12467:2012+A2:2018 Fibre-cement flat sheets Product specification and test methods
Mechanical resistance natural sheets	Category A, Class 4 (minimum 18 MPa)	
Apparent density	1600 ± 50 kg/m ³	
Reaction to fire	A2 - s1, d0	
Water impermeability	Pass	
Dimensional variations	Level 1	
Release of dangerous substances	No performance determined	
Durability against warm water	RL ≥ 0,75	
Durability against soak/dry	RL ≥ 0,75	
Durability against freeze-thaw	RL ≥ 0,75	
Durability against heat - rain	Pass	



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Test Performed	ASTM	Results
Static coefficient of friction	C - 1028	Dry: 0.95 Wet: 0.92
Modulus of rupture	C - 120	Dry: 1,800 psi Wet: 800 psi
Modulus of elasticity	C - 469	1,75 x 10 ⁶ psi
Shear strength	D - 732	Dry: 1,200 psi Wet: 1,170 psi
Tensile strength	D - 209	Dry: 600 psi Wet: 450 psi
Compressive strength	C - 170	Dry: 3,900 psi Wet: 3,000 psi
Water vapor permeance	E - 96	6.5 perms
Thermal conductivity (k)	C - 58	1.43 BTU-In/Hr F
Flame spread and smoke development index	E - 84	Flame: 0 index Smoke: 0 index