

Concrete Canvas® GCCM – 50 Year Weather Resistance Certificate

BS EN 12467:2004 ‘Fibre-cement flat sheets – Product specification and test methods’.

This document certifies that the following testing has been conducted by Concrete Canvas® Ltd on products: CC5™, CC8™ and CC13™. Testing is based on British Standard BS EN 12467:2004 and is designed to assess the effects of environmental degradation on fibre cement sheets.

Concrete Canvas® GCCM* (CC) has passed the Category A Weather Resistance requirements - the highest level of weather resistance for fibre cement sheets:

“which are intended for applications where they may be subjected to heat, high moisture and severe frost”.

Based on these test results CC can be expected to resist normal weathering for a minimum of a 50-year lifespan for outdoor installations in the UK climate.

Physical requirements and characteristics	Classification	Requirement	Result
Apparent density: (set CC)	N/A	>1900 kg/m ³	Pass
Bending strength	Class 1	4-7MPa	Pass
Water impermeability	Category A	Impermeable	Pass
Warm water: (60 ± 2) °C	Category A	(56 ± 2) days	Pass
Durability requirements			
Soak-dry: 6hrs at (60 ± 5) °C drying & 18hrs immersed in water >5°C	Category A	50 cycles	Pass
Freeze-thaw: 1-2hrs at (-20 ± 4) °C freezing & 1-2hrs immersed in water (20 ± 4) °C	Category A	100 cycles	Pass
Heat-rain (2hrs 50mins ± 5 min water spray & 2hr 50mins ± 5 min radiant heat)	Category A	50 cycles	Pass

Expected Life (UK climate)

Min 50 Years