

## CC Hydro™ GCCB – 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: CCH5™ and CCH8™. Testing is based on British Standard BS EN 12467:2004 and is designed to assess the effects of environmental degradation on fibre cement sheets.

CC Hydro™ GCCB\* 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 Hydro™ 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 <sup>3</sup>	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**

\*Geosynthetic Cementitious Composite Barrier