

STAKA-BLOCK TECHNICAL SPECIFICATION

Quality Statement

- Concrete Specification**

Concrete Grade – C40/50
Minimum Cement Content – 360kg/m³
Max w/c ratio – 0.45
Cement Type – CEM1 52.5N
Coarse Aggregate – Darrington
Fine Aggregate – Breedon
- Durability**

The concrete conforms to the limiting values for composition and properties to resisting freezing and thawing exposure class XF4.

Table A1 - extract from BS8500.

Class Designation	Class Description	Applicable examples
XF4	High water saturation with de-icing agent or sea water	Horizontal concrete surfaces eg roads and pavements, exposed to freezing and to de-icing salts either directly or spray or run-off. Concrete surfaces subject to frequent splashing with water containing de-icing agents and exposed to freezing.
- Design Life**

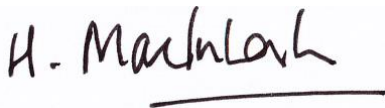
120 years (*unreinforced concrete*)
- Lifting Points**

All units are provided with a centrally located, 5 tonne spherical head anchor. The choice of anchor considers the dynamic effect of transportation of the unit on uneven terrain.
- Fire Performance**

Class A1 in accordance with BS EN 13369:2023.
- Quality Management**

All products are manufactured in accordance with ISO 9001 controlled processes.

Signed for and on behalf of Naylor Industries Ltd by:



Helen Macintosh, Technical and Development Director
Garforth, Leeds
8th of January 2025

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