

# STAKA-BLOCK TECHNICAL SPECIFICATION

## Quality Statement

- Concrete Specification**

Concrete Grade – C40/50  
Minimum Cement Content – 360kg/m<sup>3</sup>  
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:

**naylor**  
CONCRETE

Paul Whyte, Managing Director, Garforth, Leeds.  
9<sup>th</sup> of June 2026