

TECHNICAL DATA SHEET

Revision Date: 7 June 2026

TYCROC BATHBOARDS

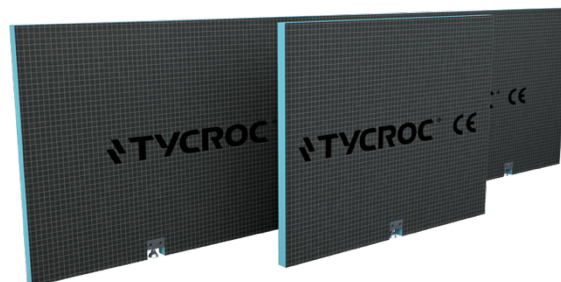
PRODUCT IDENTIFICATION

Product name: Tycroc® BCS or BCH

Product type: waterproof bathboards

PRODUCT DESCRIPTION

Tycroc BCS & BCH are waterproof construction boards with a rigid extruded polystyrene foam (XPS) core, coated on both sides with polymer cement mortar reinforced with fibreglass mesh. The surface is finish-ready and provides high strength, moisture resistance, and dimensional stability. The boards are fitted with adjustable feet.



APPLICATIONS

Tycroc Bathboards are suitable for installation on both timber and metal frames, as well as on rigid, load-bearing substrates that comply with the relevant construction standards.

Such a surface is immediately ready for finishing work.

ARTICLES	DIMENSIONS
BCS30	2100 × 600 × 30 mm
BCH30	770 × 600 × 30 mm

MATERIAL COMPOSITION

Core: ekstrudeeritud polüstüreenvaht (XPS)

Surface layers: Polymer-cement mortar with fibreglass mesh reinforcement

Pind: finish-ready

STORAGE AND HANDLING

There are no special storage requirements; however, boards must not be stored on edge, as this may cause damage (e.g. chipping of corners or edges). Boards must not be leaned diagonally against a wall, as this may cause bowing. Prolonged exposure to UV radiation must be avoided.

INSTALLATION

Boards can be fixed mechanically or bonded to suitable substrates. Corners and joints must be sealed with Tycroc Premium Fix adhesive sealant. For detailed instructions, refer to the Tycroc Bathboards installation guide.

HEALTH, SAFETY AND ENVIRONMENT

- Does not contain hazardous fibres
- Standard construction site handling and safety requirements apply
- Waste must be handled in accordance with local requirements

CERTIFICATES AND COMPLIANCE

- Harmonised standard: EN 13164:2012+A1:2015
- Environmental Product Declaration (EPD): in accordance with EN 15804+A2 and ISO 14025
- Finnish M1 emission class certificate
- Eurofins certificate
- Sintef certificate



TECHNICAL SPECIFICATIONS

Parameter	Value	Standard
Water resistance	Passed	EN 14891 (150 kPa / 7 days) and water column 100 mm / 14 days
Long-term water absorption by total immersion	< 1,2 vol. %	EN 12078:2013
Water vapour permeability (W):		EN 12086
30 mm board	$110 \times 10^{-12} \text{ kg}/(\text{m}^2 \cdot \text{s} \cdot \text{Pa})$ Sd = 1,8 m	
Watertightness at penetrations	Passed	ETAG 022 Annex A and F
Joint bridging capability	Passed	ETAG 022 Annex A and F
Water vapour diffusion resistance factor (μ)	100	EN 12086
Density	36,9 kg/m ³	EN 13164
Compressive strength at 10% deformation	$\geq 300 \text{ kPa}$; CS(10)300	EN 826:2013
Tensile strength	400 kPa	EN 1607:2013
Thermal conductivity (λ D)	0,036 W/(m·K)	EN 13164:2012+A1:2015
Capillarity	0	
Sound insulation index (Rw)	21 dB	ISO 717
Service temperature range	-50 °C / +75 °C	
Reaction to fire	class E	EN 13501-1:2018-12
Tolerances: length, width, thickness, squareness, flatness	L(2), W(2), T(3), S(1), P(3)	EN 822:2013, EN 823:2013, EN 824:2013, EN 825:2013

LEGAL NOTICE

The information provided in this technical data sheet is based on knowledge and testing available at the time of preparation and is intended as general guidance only. Installation must be carried out in accordance with the manufacturer's instructions and applicable building regulations. Tycroc OÜ reserves the right to modify product specifications without prior notice.