

Small Breeze Block

Decorative concrete screen units for non-load-bearing applications. For privacy screens, feature walls, garden and courtyard walls, sun shading and ventilated facades. The units carry integral colour through the body and are offered in two colours, White and Grey.

01 DIMENSIONS & PHYSICAL PROPERTIES

Nominal dimensions	190 × 190 × 65 mm 7½ × 7½ × 2½ in
Coursing module at 10 mm joint	200 mm
Face area	0.389 sq ft
Coverage per block · 10 mm joint	0.431 sq ft 0.444 sq ft at 13 mm joint
Blocks per sq ft at 10 mm joint	2.32 25.0 per m²
Unit weight	2.5–3.3 kg 5.5–7.2 lb
Minimum wall thickness	3.0–3.2 mm

02 PACKAGING & SUPPLY

Units per box	4
Boxes per pallet	100
Units per pallet	400
Pallet weight	996–1,308 kg 2,196–2,884 lb

Lead times. In stock: 7–10 business days · Special order: 10–14 weeks

Current pricing available on request or from your Breeze Block distributor.

03 PERFORMANCE DATA

PROPERTY	RESULT	REQUIREMENT	STANDARD
Compressive strength (unit)	8.4 MPa	≥ 7.5 MPa	TCVN 6477:2016
Water absorption	9.3%	≤ 12%	TCVN 6355-4:2009
Warp	0 mm	≤ 1 mm	TCVN 6477:2016
Length tolerance	±1 mm measured	±2 mm	TCVN 6477:2016
Height tolerance	±1 mm measured	±3 mm	TCVN 6477:2016
Mix compressive strength	25.9 MPa	n/a	TCVN 3121-11:2022

Unit compressive strength is measured over gross area and is not interchangeable with the compressive strength of the concrete mix. The two figures measure different properties.

04 COLOURS

☐ White ☐ Grey

Colour is integral to the body of the unit, not a surface coating. Tonal variation between production batches is inherent to concrete; see Variation & Appearance.

05 APPLICATIONS

SUITABLE	NOT SUITABLE
+ Privacy screens	× Load-bearing masonry
+ Garden and courtyard walls	× Retaining walls
+ Feature walls	× Structural elements
+ Sun shading	× Paving or traffic surfaces
+ Ventilated facades	
+ Interior partitions and room dividers	

06 VARIATION & APPEARANCE

Tonal variation, surface texture variation, and minor dimensional variation between production batches are inherent to concrete and are not defects. Batch matching cannot be guaranteed across orders. Include 10% above calculated coverage for cuts, breakage and future repair. Efflorescence is a natural characteristic of cementitious products and is typically temporary.

07 MANUFACTURER SCOPE VS. INSTALLER / ENGINEER SCOPE

BREEZE BLOCK PROVIDES	NOT PROVIDED	INSTALLER RESPONSIBILITY
Supply of units	Structural engineering	Installation per project specification and accepted masonry practice
Dimensional and material data	Load and wind-load calculations	Adjusting for dimensional variation through joint spacing
Variation tolerances	Freeze-thaw or moisture exposure analysis for a specific project	Following sealer recommendations
General installation guidance	Code compliance verification	Substrate and foundation preparation
Recommended sealers and mortar types	Fire-rating certification	Reinforcement and bracing as designed
Handling and care information	Shop drawings or stamped engineering	Dry-stacking a representative section before mortaring
Technical reference guidance, not project-specific	Installation labour or field supervision	Compliance with local codes and by-laws

08 INSTALLATION SUMMARY

1. Confirm the footing and layout; dry-stack a representative section before mortaring.

2. Pre-wet blocks about one minute before setting.

3. Lay in mortar with 10 mm joints, tooled concave or V.

4. Build a maximum of 8 courses or 1.2 m per day.
5. Provide movement joints and reinforcement per the design.

6. Damp-cure at least 3 days.

7. Cap every exterior panel.

8. Wait 30 days, then apply a penetrating silane / siloxane sealer.

9. Install above 5 °C and at least one month before first frost.



Full installation guide
breezeblock.ca/pages/installation-guide

09 SUPPORT & REINFORCEMENT

Breeze Block units are non-load-bearing. Freestanding panels require structural support and reinforcement. Whether reinforcement is required, and to what extent, is a structural-engineering determination for the specific project, based on panel height, wind and seismic loads, exposure and local codes.

Follow the installation guide for general practice, and confirm the design with a qualified structural engineer and the authority having jurisdiction. Breeze Block Canada does not provide project engineering.

10 COLD CLIMATE, CAPPING & SEALING

Exterior installations in freeze-thaw climates should be sealed before their first freeze-thaw cycle, and the assembly should be capped and detailed to shed water and prevent accumulation.

Sealing. Use a penetrating silane / siloxane sealer only. Avoid film-forming acrylics or waterproof coatings, as they can trap moisture and can accelerate freeze-thaw damage. Re-apply sealant when necessary according to manufacturers specifications. Clean with a pH-neutral detergent; do not acid-wash.

11 REFERENCES

- TCVN 6477:2016 · Concrete bricks
- TCVN 6355-4:2009 · Test methods: water absorption
- TCVN 3121-11:2022 · Test methods for mortar: compressive strength
- CMHA TEK 03-16A · Design of non-loadbearing concrete masonry screen walls (wind and seismic load tables, reinforcement strategies)

Breeze Block Canada · breezeblock.ca

All sales are subject to Breeze Block Canada's Terms and Conditions of Sale (BBC-TCS-01), available at breezeblock.ca/pages/terms-and-conditions-of-sale. Technical data describes product as manufactured and delivered. It does not constitute a representation as to the performance of any installed assembly. Certificates and test reports available on request.

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