

Durham – S23

SKU TBSMODDURH23

Doc TDS-DURH23-1 | Revised 29 August 2026

Meets ASTM C1088 for thin veneer brick, Grade Exterior, Type TBS.

Certificate of compliance and independent laboratory test report to ASTM C67/C67M available on request.

Product Identity

Grade	Exterior. Suitable for exterior and interior adhered veneer in all weathering regions (weathering index 50 and greater).
Type	TBS (Standard), for general use
Face	Sandface, classified as “altered” under ASTM C1088 Table 4
Forming	Extruded
Color range	Multicolour blend, brick red. Consistent reds and warm earth tones with subtle variation across units.
Surface finish	None. Unglazed, uncoated.
Sizes offered	Modular (MOD) only. See Sizes and Coverage below.

Sizes and Coverage

SIZE	FACE DIMENSION, H × L	THICKNESS	UNITS PER SF •	PER BOX	SF PER BOX •	WEIGHT PER SF •	CORNER UNITS PER LF •
Modular (MOD)	2 1/4 in. × 7 5/8 in.	1/2 in.	6.86	40 units, 36.0 lb	5.83	6.2 lb	4.6
Corner units	2 1/4 in. × 7 5/8 in. face	1/2 in.	—	18 units, 22.5 lb	3.9 LF	—	4.6

• Calculated from the face dimension and a 3/8 in. joint, and from the unit weight of the size. These are derived values, not separately measured ones; a change in size or in specified joint width changes them. State the joint width used in the project documents where it differs from 3/8 in. Box quantities and weights are as recorded in the product system, captured 19 August 2026. Weight per SF reconciles to the verified 6.10 lb per SF figure within 1 percent. Corner units are supplied; edge caps are not offered on this product. Order 3 percent overage for waste.

Physical Properties

This product is manufactured to meet ASTM C1088, Grade Exterior, Type TBS. The values below are the requirements of that grade, which the product is made to satisfy. They are stated as the governing limits, not as results from the material in any one shipment.

PROPERTY	TEST METHOD	REQUIREMENT, GRADE EXTERIOR
5-hour boiling water absorption, average of 5	ASTM C67/C67M	17.0 % max
5-hour boiling water absorption, individual unit	ASTM C67/C67M	20.0 % max
Saturation coefficient, average of 5	ASTM C67/C67M	0.78 max
Saturation coefficient, individual unit	ASTM C67/C67M	0.80 max
Compressive strength	—	No requirement. ASTM C1088 sets no compressive strength requirement for thin veneer brick (C1088 Note 3).

Basis of conformance

Conformance rests on the manufacturer's certificate of compliance, supported by periodic testing of production in accordance with ASTM C67/C67M. Clay brick is not tested lot by lot. Testing is performed at intervals to confirm that production continues to meet the specification, which is the established practice of the industry and the basis on which ASTM C1088 material is supplied. Under ASTM C1088, sampling and testing of a specific shipment are performed when the purchaser specifies them in the purchase order, at the purchaser's expense.

Brick It furnishes on request: a certificate of compliance to ASTM C1088 for the material supplied, and the most recent independent laboratory test report for the production. Project-specific testing of the material for a particular order can be arranged; allow additional lead time.

Where a project specification requires qualification by the absorption alternative, the freeze-thaw alternative or the low weathering index alternative in place of the boiling absorption and saturation coefficient limits, or requires efflorescence testing, request confirmation for the specific product before the specification is issued. Initial rate of absorption data is available on request; IRA is informational and assists mortar selection only.

Tolerances and Appearance

Dimensional tolerance, warpage, chippage	Per ASTM C1088 Tables 2, 3 and 4 for Type TBS
Corner units, out of square	1/8 in. maximum, measured across the 7 5/8 in. exposed face. ASTM C1088 §10.5 leaves special-shape requirements to the purchase specification; this is Brick It's published value.
Appearance	Judged against the approved sample under diffused lighting at 20 ft, per ASTM C1088 §10.1.2
Color, color range, texture	Established by an approved sample of not less than four stretcher units, per ASTM C1088 §10.4
Delivery allowance	Up to 5 % of a delivery may be broken or outside chippage and tolerance limits, per ASTM C1088 §10.2

Material must be inspected before installation. Per ASTM C1088 §10.3 the manufacturer is not responsible for compliance with chippage and tolerance requirements after material is installed.

Installation and Design Data

Brick It installation systems	Designer Metal Grid (DMG) , US Patent 4,773,201. G-60 galvanized carrier panel. Interior and exterior, over wood stud, steel stud, concrete and masonry.
	Moisture Control System (MCS) , US Patent 8,141,310. G-90 panel with offset weep holes and drainage mat, for exterior walls requiring drainage and ventilation behind the veneer.
	Continuous Insulation and Moisture Control System (CI) , US Patent 9,512,621. G-90 panel with continuous insulation and batten attachment, for commercial steel stud construction with exterior gypsum sheathing.
Panel and unit	Carrier panel height is selected to suit the specified brick height. Custom panel heights are available for any brick height, including European formats, and custom panel lengths are available. Starter channels and special corner panels are not required.
Installation without a carrier panel	The units can also be set by conventional thick-set over lath, or by thin-set with a polymer-modified mortar, directly over a prepared substrate. Where this is done the wall assembly, the water-resistive barrier, flashing and drainage are the responsibility of the design professional, and none of the Brick It system documentation, Florida Product Approval or system warranty applies. Brick It recommends a carrier panel system for all exterior work.
Setting mortar	ASTM C270 Type S or Type N, or polymer-modified mortar per ANSI A118.4 for thin-set application. Where a Brick It carrier panel system is used, the mortar and adhesive are components of that system and are furnished by Brick It.
Shear bond strength	Adhered veneer assemblies are required to develop 50 psi shear bond strength when tested to ASTM C482, per TMS 402. This is a property of the assembly — unit, setting bed and substrate together — not of the brick alone. Test data for Brick It system assemblies is available on request.
Back surface texture	[Ribbed / scored / keyback], aids mechanical bond
Substrate	Design wall deflection not greater than L/360. See the Brick It Clay Thin Brick Guide Specification for substrate, lath, flashing and movement joint provisions.
Specify under	CSI MasterFormat Section 04 21 00, Clay Unit Masonry (alternates 04 21 13 or 04 05 13). A three-part guide specification in Word format is available for download.

Fire Performance

Combustibility	Noncombustible, fired clay, per ASTM E136
Surface burning	Class A: flame spread 0, smoke developed 0, per ASTM E84
Assembly ratings	Fire resistance ratings apply to tested wall assemblies (ASTM E119 / TMS 216), not to the unit alone. Contact Brick It for assembly documentation.

Sustainability

EPD	[BIA industry-average EPD, NSF EPD11101 / product-specific EPD number], ISO 14025 / ISO 21930. Valid until [DATE]. PDF available for download.
Embodied carbon	GWP (A1 to A3): [] kg CO ₂ e per declared unit, per the EPD

Reference service life	150 years, per the BIA clay masonry EPD
LEED	Contributes to LEED v4, v4.1 and v5 materials credits. An industry-wide EPD counts as one-half product; a product-specific EPD counts as one product.
Manufactured in	United States

Availability

Target ship date	Quick Ship, 3 to 5 business days. This is a target Brick It aims to ship within, not a commitment. Confirm at time of order.
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Related Downloads

Guide specification	Brick It Clay Thin Brick Guide Specification, Section 04 21 00 (Word and PDF)
Safety data sheet	Brick It Clay Brick SDS
EPD	Clay Masonry Products Environmental Product Declaration (PDF)
CAD and coursing	[Coursing charts and CAD details, when available]

This document is furnished for informational purposes only and is not intended as an expressed warranty. All information should be independently evaluated by a qualified design professional in the context of the specific circumstances in which it is applied. Physical property values are the requirements of the referenced standard, not measured results for a particular shipment. [INSERT BRICK IT STANDARD WARRANTY AND LIABILITY LANGUAGE.]