



HPD

CERTIFICATION

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BROWNSTONE COLLECTION

MANUFACTURER INGREDIENT DISCLOSURE

Product: Architectural Thin Brick

Colors: All Colors

Manufacturer: METROBRICK®

Disclosure Threshold: 100 ppm

GreenScreen BM Scores: >85.19%*



The following material ingredient disclosure has been provided by the manufacturer to comply with the USGBC LEED v4.0 and v4.1 Material and Resources Credit: Building Product Disclosure and Optimization – Material Ingredients, Options 1 and 2.

Name	CAS number	Substance Role	Substance Amount	GreenScreen Score
Quartz	14808-60-7	Binder	55-70%	BM-1
Aluminum Oxide	1344-28-1	Binder	20-35%	BM-2
Diiron Trioxide	1309-37-1	Pigment	1-15%	BM-2
C.I. Pigment Black 26	68186-94-7	Pigment	0-10%	LT-UNK
Chromite	1308-31-2	Pigment	0-5%	BM-2
Potassium oxide (K2O)	12136-45-7	Flux	1-5%	BM-2
Manganese dioxide	1313-13-9	Pigment	0-5%	LT-P1
Titanium dioxide	13463-67-7	Pigment	1-5%	BM-2
Magnesium oxide	1309-48-4	Binder	0.1-2.5%	BM-3 _{DS}
Sodium Oxide	1313-59-3	Flux	0.1-2.5%	BM-2
Calcium Carbonate	1317-65-3	Filler	0-1%	BM-3 _{DS}
Iron (II,III) oxide	1317-61-9	Pigment	0-1%	LT-UNK
Manganese (III) oxide	1317-34-6	Pigment	0-1%	LT-P1
Barium oxide (BaO)	1304-28-5	Pigment	0-1%	LT-UNK
Calcium Oxide	1305-78-8	Flux	0.1-2.5%	BM-2
Manganese (II,III) oxide	1317-35-7	Pigment	0-1%	LT-P1
Phosphorus oxide (P2O5)	1314-56-3	Flux	0-1%	LT-P1
Vanadium pentoxide	1314-62-1	Flux and Pigment	0-1%	LT-1
Manganese oxide	1344-43-0	Pigment	0-1%	LT-P1
Water	7732-18-5	Residual	0-1%	BM-4

*Note: The verifier calculated the percentage of substances with publicly available GreenScreen Assessments using provided bills of materials. This may differ from the sum of the minimums shown in the table due to ranges being disclosed.

This disclosure has been third-party verified for accuracy by WAP Sustainability and complies with the LEED v4.0 and v4.1 requirements for material ingredient reporting and optimization.

