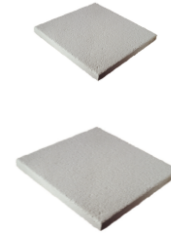

A. NATURAL SMALL DIAMOND SPECIFICATIONS

Precast Concrete Slabs

450mm x 450mm x 45mm
(17 ¾" x 17 ¾" x 1 ¾")

610mm x 610mm x 45mm
(24" x 24" x 1 ¾")

610mm x 762mm x 45mm
(24" x 30" x 1 ¾")



All tests are in accordance with CSA standard
CSA A231.1-14

Flexural (Transverse) Strength:

Average 5.85 MPa

Warpage:

Water Absorption (% by Mass):

Meets or exceeds, Average 4.3 %

Solar Reflective Index (SRI):

Natural Small Diamond average 38.9

Permissible Variations in Dimensions

≤ 450 mm = 2.0 mm, > 450 mm = 3.0 mm

Freeze Thaw Loss (% by mass): Meets or exceeds,

< 300 g/m² at 28 cycles/ 800 g/m² at 49 cycles

Length and Width: A tolerance of

-1.0 mm to +2.0 mm shall be permitted

Height: A tolerance of

+/- 3.0 mm shall be permitted.

“The CSA Standard requires a minimum average flexural (bending) strength of 650psi (4.5MPa), freeze-thaw durability when exposed to deicing salts, and conformance to dimensional tolerances. Flexural (rather than compressive strength) is used to assess unit strength since the larger slabs are exposed to bending and cracking. Compressive strength is excluded from the standard because it is not a true measure of the performance of the concrete. It can increase as the thickness of the tested unit decreases. Therefore, a high compressive strength test result required from a thin slab gives a false indication of a slab’s resistance to bending since thinner slabs will break in bending more readily than thicker ones.” *(From ICPI Tech Spec 14 –Concrete paving units for Roof decks.)*

B. MANUFACTURER

Brooklin Concrete Products
6760 Baldwin St. Brooklin, ON, L1M 1X8
T. 800-655-3430/ 905-655-3311
F. 905-655-3847

Email: brooklinsales@brooklin.com
Sales offices:
Huntsville & Haliburton:
T. 800-264-3302

C. PRODUCT DESCRIPTION

450mm x 450mm x 45mm

25 units per cube
Weight per unit: 44 lbs
Weight per cube: 1100 lbs

610mm x 610mm x 45mm

25 units per cube
Weight per unit: 80 lbs
Weight per cube: 2000 lbs

610mm x 762mm x 45mm

25 units per cube
Weight per unit: 105 lbs
Weight per cube: 2625 lbs

