
A. PRODUCT NAME / SPECIFICATIONS

Precast Concrete
Matt Solar Reflective Slabs

610mm x 610mm x 45mm
(24" x 24" x 1 3/4")



All tests are in accordance with CSA standard
A231.1-06

Matt Solar Reflective Specification

Flexural (transverse) strength:

Average 9.7 MPa (A231.1 min. 4.5 MPa)

Compressive Strength:

Average 56.9 MPa

Water absorption (% by mass): 4.9%

In accordance with CAN/ CSA 23.2.11C

Solar Reflective Index (SRI):

Solar White SRI 90.5

Permissible Variations in Dimensions

CSA A231.1-06

Length and Width: A tolerance of
-1.0mm to +2.0mm shall be permitted.

Thickness: A tolerance of +/- 3.0mm
shall be permitted.

LEED Information

Post-Consumer: 0%

Pre-Consumer: 0%

White Aggregate Extraction Site: 247km

White Portland: 184km

COV: 0

Flexural 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 increases. Therefore, a high compressive strength test is not significant since thinner slabs will break in bending more readily than thicker ones. (*ICPI Tech Spec No.14, 2002*)

B. MANUFACTURER

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C. PRODUCT DESCRIPTION

Matt solar reflective slabs promote green building design and new construction practices. As their name suggests, the matt solar reflective slabs will reflect the sun's rays away from the rooftop, which in turn helps decrease interior heat gain and reduce cooling loads.

