
American Standards Quick Reference (ASTM)

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Intended readers: North America projects

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Specification Standards

ASTM C503 — Marble dimension stone • C568 — Limestone • C615 — Granite • C629 — Slate

Test Methods

C97 absorption & bulk density • C99 modulus of rupture • C170 compressive strength • C880 flexural strength

C241 abrasion (foot traffic, sand abrasion) • C1353 abrasion (rotary platform abraser)

Slip resistance: wet DCOF per ANSI A326.3 (≥ 0.42 typical design threshold for level interior wet areas)

Typical Thresholds (for design reference; the standard text prevails)

Marble (C503 exterior high-grade): absorption $\leq 0.20\%$ (premium varieties commonly $\leq 0.40\%$ depending on variety), compressive ≥ 52 MPa, modulus of rupture ≥ 7 MPa.

Granite (C615): absorption $\leq 0.40\%$, compressive ≥ 131 MPa, modulus of rupture ≥ 12 MPa.