

solana

product data

solana tile has a machine ground surface that is low sheen, highly durable and wear-resistant. ideal for high-traffic interior and exterior flooring. naturally slip-resistant and low-maintenance.

test results

slip (astm c-1028)	0.85 dry / 0.88 wet
slip (AS/NZS 4586)	BPN: 36, Class: X, R10 (HB-197 equiv.)
compressive:	8702psi / 60mpa
tensile:	1401psi / 9.6mpa

technical summary

weight (lb/sq.ft):	3/8" = 5	10mm = 25
	(kg/m2): 5/8" = 7.5	15mm = 38
	3/4" = 10	20mm = 50
	1" = 12.5	25mm = 63
curvature:	± 0.5 percent of max tile length	
thickness:	will vary, not a fully gauged product	
overage:	allow ample (suggested 20 percent)	
color:	variations expected (blend like stone)	

installation

substrate:	level / dry bed install cured to max 5.5 percent moisture
adhesive:	laticrete 254R platinum rapid
grout joint:	0.5 percent of max tile length
expansion joints:	20' (6m) max interval
process:	thinset installation (1/2" notch) backbutter (fully bond) preseal with 511 impregnator sanded grout (porous tile/remove)
clean:	scrub with floor machine use htc twister™ pad (white) neutral detergent (non acidic)
seal:	prosoco polishguard (natural finish)
mock up:	always mock up install and finishing methodology prior to whole floor



concrete tile is a speciality material and requires specific attention to our recommendations for the best installation outcome. concrete is moisture sensitive and requires a rapid setting install. concrete is porous and may require grout release prior to grouting. concrete tiles are supplied unfinished and require a wet buff and seal.

contact our technical team for assistance related to your specific installation. we also offer sealer, buffing pads, and cleaning services in an effort to streamline your procurement process and better support your project.

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1 - handling & storage

- handle your consignment with care
- inspect product carefully
- store crates indoors
- two crate maximum height
- acclimate tiles to final installation environment for 48 hours

2 - preparation

- substrate to be leveled to 1/8" (3mm) over 10' (3m)
- clean all adhesives, grease, dirt and other contaminants from surface
- slab/screed should be cured to 5.5 percent moisture content
- waterproofing membrane should be used with slab on grade or where moisture is present
- also follow adhesive manufacturers preparation instructions

3 - installation

- use laticrete 254R platinum rapid or alternate manufacturer-verified equivalent
- back-butter each tile to ensure 100 percent coverage and adhesion
- hand-set tile and avoid using mallets and excessive force
- blend tiles from several crates to enhance natural variations
- maintain a grout joint no less than 0.5 percent of long side of tile or order more overage to achieve smaller
- grout tiles using good-quality sanded grout like laticrete perma color grout. an impregnator or grout release can help
- be diligent in removing any adhesive or grout from surface before drying
- also follow adhesive and grout manufacturers application instructions
- protect floor with suitable coverage to prevent damage from site debris or staining

4 - clean & seal

- remove protection and sweep floor
- wet-scrub floor with floor machine using warm water and htc twister white pad
- work in sections and be diligent in removing dirty water and slurry before drying
- apply a couple of thin coats of prosoco polishguard sealer following manufacturers instructions
- wipe off excess sealer using a microfiber to maintain a natural looking finish not too glossy
- allow appropriate dry time and cure time before use (7 days cure)
- re apply floor protection during construction

5 - maintain

- mop regularly with warm water and neutral detergent (non-acidic)
- wipe up spills immediately and spot clean floor
- concrete is particularly sensitive to acids e.g. lemon juice
- the clean and seal process above is normally one time only
- for added protection against spills, the clean and seal process can be repeated using client discretion

refer to manufacturers recommendations for adhesive, grout, cleaner and sealer