

SPEC INFO

Thermal and Moisture Protection Plaza Concepts



Plaza Concepts

PRODUCT

CoolCast™ Paver

MANUFACTURER

Plaza Concepts, Inc.

REPRESENTATIVE

(914) 337 6071

GENERAL INFORMATION

TYPICAL USE

The CoolCast™ hydraulically pressed concrete paver is an extremely durable and versatile surfacing system that combines the time proven performance of the hydraulic press with the energy saving benefits of a highly solar reflective color, bright aggregate, and a shot blast finish. Benefiting from recent advances in concrete paver technology, CoolCast Pavers are manufactured in an industry leading process that incorporates 600 tons of pressure and a unique formulation of special aggregates, admixtures and TX Active® photocatalytic cement, resulting in a unique product that is dense, strong, solar reflective, reduces pollution and is self-cleaning so that it will continue to provide environmental benefits for many years. High solar reflectance meets LEED requirements for green building and EnergyStar. Pollutants are destroyed through accelerated oxidation triggered by UV exposure. Photocatalytic action is unique to products made with TX Active cement. TX Active cement prevents deposits, keeping the surface consistently clean, white and virtually maintenance free. CoolCast Pavers are engineered to provide an aesthetically superior surface for all kinds of outdoor pedestrian or simple roof ballast applications. Attractive recreational areas can be easily created on plazas, roofs, and terraces at a relatively low cost. CoolCast Pavers protect the waterproof membrane yet facilitates easy access for repairs, and maintenance, and are reusable if future re-roofing or horizontal expansion is necessary. CoolCast is also available without photocatalyst in smooth; brick face and diamond finish at a lower cost and may prove suitable for projects where the 93 SRI and shot blast aesthetic is not needed. System warranties are available.

SUBSTRATES / LEVELING

Typical substrates include setting beds, pedestals, protection board, high-strength: drainage mat or approved extruded polystyrene. Contact our Tech.Department to discuss substrates and leveling options.

LIMITATIONS

Consideration should be given to loads and other physical pressures, including wind that will affect the installation. Read more about wind at www.plazaconcepts.com/technote508. Like all structures, pedestrian decks are dynamic and may require consultation with technical experts during design. Colors may vary slightly between batches and temporary efflorescence is common and dissipates over time or may be cleaned off.



APPLICATIONS

Plazas, roofs, terraces, balconies, decks, patios, walkways, etc.

FINISHES

Diamond, shot blast(SB), slate, smooth, brick face and custom

COLORS

Please contact Plaza Concepts

ACCESSORIES

Pedestals and shims.

PHYSICAL PROPERTIES (nominal)

Dimensions	23.62 x 23.62 x 1.57 in (600 x 600 x 40 mm)	23.62 x 23.62 x 1.97 in (600 x 600 x 50 mm)
	15.75 x 23.62 x 1.57 in (400 x 600 x 40 mm)	15.75 x 15.75 x 1.97 in (400 x 600 x 50 mm)
	15.75 x 15.75 x 1.57 in (400 x 400 x 40 mm)	15.75 x 15.75 x 1.97 in (400 x 400 x 50 mm)
Compressive Strength	8000+ psi	8500+ psi
Flexural Strength	650 lbs	1250+lbs
Freeze Thaw Test	1% weight loss after 100 cycles	
Weight	28 lbs/ft ²	30+lbs.ft ²
SRI	93(SB) 80+ (Other)	

INSTALLATION CONSIDERATIONS

IMPORTANT Wind issues should be discussed with our Tech Department or experts like roof consultants and engineers. Installation should also be in accordance with the most recent instructions of the insulation and membrane suppliers, and in compliance with typical industry standards like those of the NRCA, SPRI, RCI, etc, as well as applicable building code requirements. Instruments like transits, chalk lines, water and laser levels can help establish reference points. Please consult our Technical Department for assistance with design options.

TECHNICAL ASSISTANCE

Contact Plaza Concepts

WARRANTY PROGRAM

Limited 5 year warranty standard, others available.