

PRODUCT DATA

STONWALK

PRODUCT DESCRIPTION

StonWalk is a seamless and slip-resistant bonded natural aggregate grip system used primarily to surface outdoor areas and to repair and enhance exterior concrete damaged by salt attack. StonWalk achieves a natural, earthy appearance by scattering Canadian sourced marble aggregates into a solvent free, rapidly renewable resin based polyurethane binder which is then sealed with an extremely durable and completely UV Stable MMA seal coat. StonWalk is comprised of:

StonWalk Bodycoat

Self-priming 100% Solids Polyurethane based Resin Bodycoat utilizing rapidly renewable castor oil technology to provide excellent bond to the substrate and designed to receive;

StonWalk Aggregates

Natural Marble Aggregates mined in Canada for natural looking decorative and anti-slip finishes. Available in two sizes, 2-3mm Heavy Duty and 1-2mm Standard Duty Finishes and available in a wide range of standard colour blends, sealed with;

StonWalk Seal Coat

UV stable, 100% solids fast cure and extremely durable Methyl Methacrylate based Seal Coat to provide enhanced aesthetics with a permanent wet look to seal, protect and encapsulate the aggregates for added durability.

PACKAGING

StonWalk is packaged in units for easy handling. Each unit consists of:

HD System

- StonWalk Bodycoat: 2 kits yielding 150ft² each at 30mils (18.4kg part A & 4kg part B).
- StonWalk HD 2-3mm Aggregates: (6) 55lb bags yielding 50ft² each.
- StonWalk MMA Seal Coat: 1 kit yielding 300ft² (19kg part A + catalyst).
- **Unit Coverage: 300ft²**

SD System

- StonWalk Bodycoat: 2 kits yielding 220ft² each at 15mils (18.4kg part A & 4kg part B).
- StonWalk SD 1-2mm Aggregates: (7) 55lb bags yielding 65ft² each.
- StonWalk MMA Seal Coat: 2 kits yielding 220ft² (19kg part A + catalyst).
- **Unit Coverage: 440ft²**

TECHNICAL DATA

The figures that follow are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.

Slip Resistance ASTM F1679:	SD System: Dry: 1.0 Wet: 0.92 HD System: Dry: 0.92 Wet: 0.83
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The slipperiness of flooring materials can change significantly due to the installation process, after short periods of use, due to inappropriate maintenance, longer-term wear and/ or surface contaminants (wet or dry).

Textured systems are recommended to meet slip resistance value requirements for wet conditions and/ or surface contaminants (wet or dry). Please contact our Technical Advisors for further details and specifications.

Impact Resistance:	ISO6272 1 kg weight > 1.8 metres 2 kg weight > 1.5 metres
Temperature Resistance:	Softens over 70°C, hardens on cooling
Water Permeability:	Nil – Karsten test (Impermeable)
Chemical Resistance:	Contact Technical Department. Good resistance to tea, coffee, cola, fruit juice, detergents and bleach. Note: for unsealed aggregates, some staining may occur in the natural stone.
Bond Strength:	Greater than cohesive strength of 3500psi concrete. >250psi

Abrasion Resistance*:	ASTM D40 60 107mg (CS17 Wheel 1000g 1000 cycles)
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*Abrasion resistance is measured on smooth sealed sample due to limitations of testing equipment with textured surfaces.

USES

StonWalk has been designed to ensure that walkways and external concourse areas reflect the natural beauty of the outdoors. StonWalk is ideally suited to outdoor environments subject to heavy footfall such as leisure complexes, golf clubs, theme parks, public arenas, outdoor patios, sidewalks and concourses.

BENEFITS

- Available in a wide range of decorative natural stone aggregates.
- Two aggregate sizes, 2-3mm Heavy Duty & 1-2mm Standard Duty System.
- Offers an excellent slip resistant profile.
- Capable of withstanding both heavy footfall and vehicular traffic.
- Unaffected by salts and most de-icing chemicals.
- Offers a durable alternative to loose stone and/or gravel.
- Offers a seamless alternative to traditional pavers, eliminating the cracks where weeds can grow and dirt can dwell.
- Easily cleaned and maintained.
- Attractive, natural skateboard deterrent.
- Cost effective repair and upgrade of concrete when compared to concrete replacement.
- Single day applications possible for minimal disruption*.

SUBSTRATE REQUIREMENTS

Concrete (with a minimum of 3500psi compressive strength) must be free from laitance, dust and other contamination. The substrate should be dry to 75% RH and free from rising damp and ground water pressure. For substrate humidity above 75%, use the appropriate Stonhard primer.

Movement joints should be bought through the system and treated with a suitable caulking compound. Cracks in the substrate should be pre-treated to prevent later propagation through the StonWalk System.

Actual quantities required will be dependent upon substrate porosity, profile and aggregate size (typical values shown above for the stones in the standard colour chart). Detailed application instructions are available upon request.

*Full System MMA versions are available for fastrack application. Details upon request.

SPEED OF CURE (for StonWalk base layer)

	10°C	20°C	30°C
Light Traffic	30 hrs	16 hrs	10 hrs
Full Traffic	36 hrs	24 hrs	16 hrs
Full Chemical Cure	12 days	7 days	5 days

AFTERCARE - CLEANING AND MAINTENANCE

Sweep surface occasionally to remove loose stones. Use a power washer and a mild alkaline detergent to remove surface dirt. Snow clearance equipment should be correctly maintained and all blades should be fitted with a rubber edge. Direct metal contact may cause damage to the system.

ENVIRONMENTAL CONSIDERATIONS

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs, maintenance and cleaning. May qualify for LEED.

Important:

StonCor believes the information contained here to be true and accurate as of the date of publication. StonCor makes no warranty, expressed or implied, based on this literature and assumes no responsibility for consequential or incidental damages in the use of the systems described, including any warranty of merchantability or fitness. Information contained here is for evaluation only. We further reserve the right to modify and change products or literature at any time and without prior notice.

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