



DECKSHIELD

- ▶ A number of colourful deck coating solutions geared up to provide slip-resistance, durability and an excellent service life as well as stand-up to common car park structural problems.

Welcome to Flowcrete Americas

Flowcrete is a world leader in the manufacture of seamless resin flooring systems for application in both industrial and commercial environments.

Flowcrete Americas has a fresh approach to flooring and is constantly looking to introduce world-class systems, which offer clients a number of performance advantages while at the same time make floors much more than a surface to walk on.

Flowcrete Americas is dedicated to innovating sustainable flooring materials and using the earth's natural resources responsibly across all operations to ensure a more positive impact on the construction industry and a greener world at our feet.

The company's headquarters in Texas serves expanding business opportunities across the continent including the USA, Canada, Latin America and the Caribbean. With key clients including Coca Cola, L'Oréal, Cargill, Nestlé, NASA, GE and Southwest Airlines, Flowcrete Americas continues to develop a significant presence in the Americas' polymer flooring market.

Flexible Deck Coating Systems for Parking Structures



Parking structures have a crucial role to play as the first point of call for a visitor to any public, private or commercial building.

The parking area is the 'front door' of the building, while serving its essential primary functional role. There is no doubt that first impressions count and appearance, ease of use, signage, bright lighting and clear directional marking all help to make a parking zone a more positive and safer environment.

By utilizing the very best of protective coating systems on the internal structure of the parking area, visual appearance can be enhanced, light reflectivity can be improved, traffic movement can be regulated and ongoing structural maintenance can be kept to an absolute minimum.



Performance Benefits

✓	Bright and attractive finishes
✓	Reduces noise from tire squeal
✓	Wear and abrasion resistant
✓	Crack-bridging
✓	Solvent free
✓	Fire resistant
✓	Flexible waterproof membrane

Deckshield Application Suitability



Basement
Decks



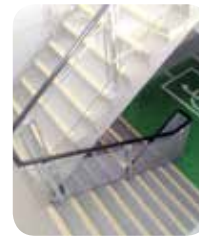
Intermediate
Decks



Exposed
Decks



Ramps &
Turning Circles

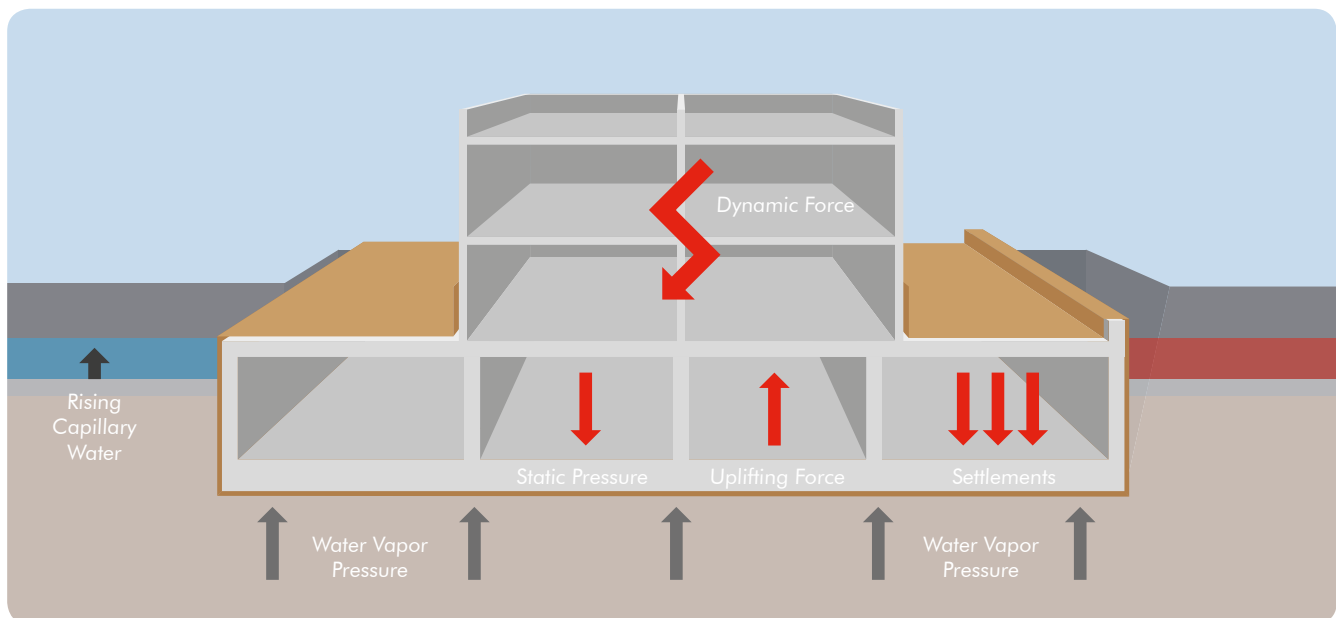


Stairwells &
Corridors



Color Zoning

Forces Impacting on the Multi-Story Parking Structure



Deckshield ID (40 mils)

A flexible polyurethane deck coating system for use on intermediate decks of multi-story parking structures.

Deckshield ID cosmetically enhances multi-story parking environments and ensures safety underfoot with enhanced traction.



UV Resistant:

100% UV stable formulation available to prevent the floor from yellowing.



Slip Resistant:

Positively textured anti-slip surface minimizes slip and skid risks.



Chemical Resistant:

Protects against diesel, fuel, antifreeze, hydraulic fluid, chlorides and battery acid.



Noise Reducing:

Enhanced traction underfoot minimizes unpleasant noise from tire squeal.



Low Odor:

Solvent-free & low VOC formulation with low odor installation even in confined areas.

Standard Colors:



Blue



Red



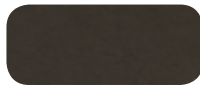
Green



Mid Gray



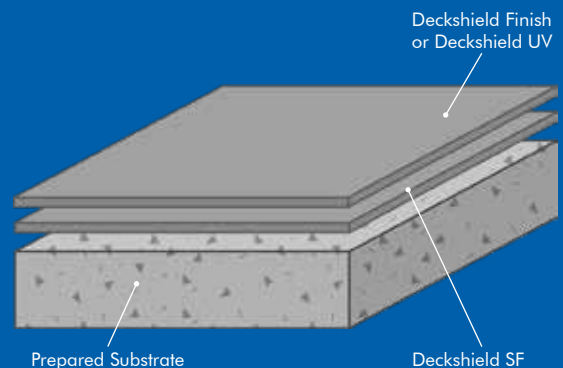
Dark Gray



Black

Technical Profile

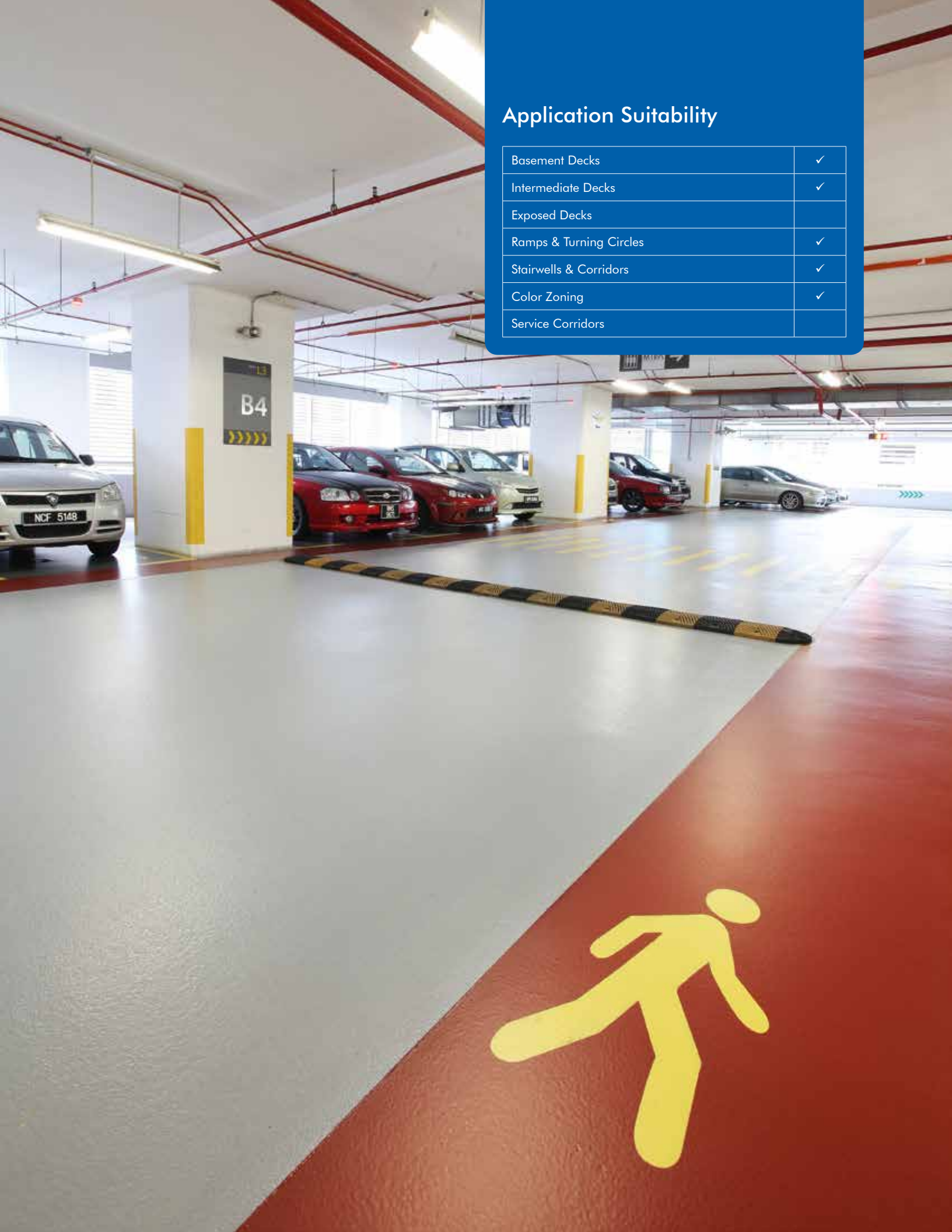
COMPRESSIVE STRENGTH:			
ASTM C 579	10,500 psi		
TENSILE STRENGTH:			
ASTM C 307	1,600 psi		
FLEXURAL STRENGTH:			
ASTM C 580	4,200 psi		
SLIP RESISTANCE:			
(PTV) Method described in BS 7976-2 (typical values for TRRL rubber slider)	Dry 92 Wet 46		
ABRASION RESISTANCE:			
ASTM D 4070 CS 17 Wheel, 1000 Cycles	0.050g loss		
VAPOR PERMEABILITY:			
Karsten Test	Nil (impermeable)		
BOND STRENGTH:			
Greater than cohesive strength of 3,000 psi concrete, > 220 psi			
FIRE RESISTANCE:			
BS 476-3	Designated EXT.FAA		
VOC:			
50 g/l			
SPEED OF CURE:			
	50°F	70°F	90°F
Light Traffic	36 hrs	10 hrs	10 hrs
Full Traffic	72 hrs	36 hrs	24 hrs
Full Chemical Cure	7 days	3 days	48 hrs



The applied colors may differ from the examples shown. For a full color chart and samples, contact your local Flowcrete office.

Application Suitability

Basement Decks	✓
Intermediate Decks	✓
Exposed Decks	
Ramps & Turning Circles	✓
Stairwells & Corridors	✓
Color Zoning	✓
Service Corridors	



Deckshield Rapide ID (60 mils)

A fast cure MMA deck coating system for use on intermediate decks of multi-story parking structures.

Deckshield Rapide ID ensures quick and speedy install over large areas in order to minimize any operational downtime to the structure.



Fast Cure:

Accelerates cure time, providing a fully operational surface in just 60 minutes.



Slip Resistant:

Positively textured anti-slip surface minimizes slip and skid risks.



Chemical Resistant:

Protects against diesel, fuel, antifreeze, hydraulic fluid, chlorides and battery acid.



UV Resistant:

100% UV stable formulation available to prevent the surface from yellowing.



Noise Reducing:

Enhanced traction underfoot minimizes unpleasant noise from tire squeal.

Standard Colors:



Blue



Brick Red



Green



Light Gray



Medium Gray

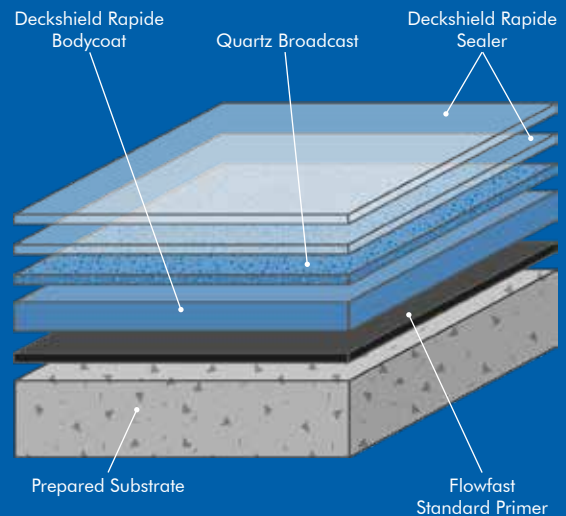


Dark Gray

The applied colors may differ from the examples shown. For a full color chart and samples, contact your local Flowcrete office.

Technical Profile

COMPRESSIVE STRENGTH (SEALER):			
ASTM C 579	11,600 psi		
TENSILE STRENGTH (SEALER):			
ASTM C 307	2,900 psi		
FLEXURAL STRENGTH (SEALER):			
ASTM C 580	4,350 psi		
SLIP RESISTANCE:			
(PTV) Method described in BS 7976-2 (typical values for TRRL rubber slider)	Dry 80 Wet 60* (slip profile)		
ABRASION RESISTANCE (TOP COAT):			
ASTM D 4060 CS17 Wheel, 1000 cycles	0.080g loss		
IMPACT RESISTANCE:			
ISO6272	2.2 lb weight > 70 in 4.4 lb weight > 59 in		
VAPOR PERMEABILITY:			
Karsten Test	Nil (impermeable)		
BOND STRENGTH:			
Greater than cohesive strength of 3,000 psi concrete, > 220 psi			
FIRE RESISTANCE:			
BS 476-3	Designated EXT.FAA		
VOC:	50 g/l		
SPEED OF CURE:	32°F	70°F	90°F
Light Traffic	60 mins	45 mins	45 mins
Full Traffic	90 mins	60 mins	60 mins
Full Chemical Cure	120 mins	90 mins	90 mins



Deckshield Rapide ED (100 mils)

A fast cure MMA deck coating system for use on external or exposed decks of multi-story parking structures.

Deckshield Rapide ED ensures quick and speedy install over large areas in order to minimize any operational downtime to the structure.



Fast Cure:

Accelerates cure time, providing a fully operational surface in just 60 minutes.



Slip Resistant:

Positively textured anti-slip surface minimizes slip and skid risks.



Chemical Resistant:

Protects against diesel, fuel, antifreeze, hydraulic fluid, chlorides and battery acid.



UV Resistant:

100% UV stable formulation available to prevent the surface from yellowing.



Noise Reducing:

Enhanced traction underfoot minimizes unpleasant noise from tire squeal.

Standard Colors:



Blue



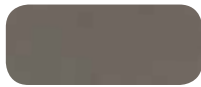
Red



Green



Mid Gray



Dark Gray

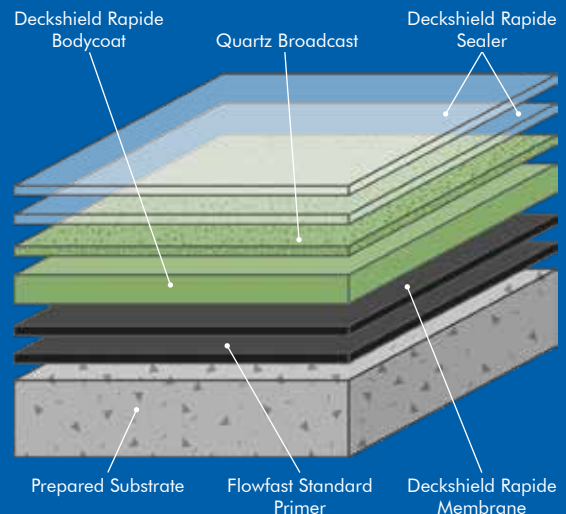


Black

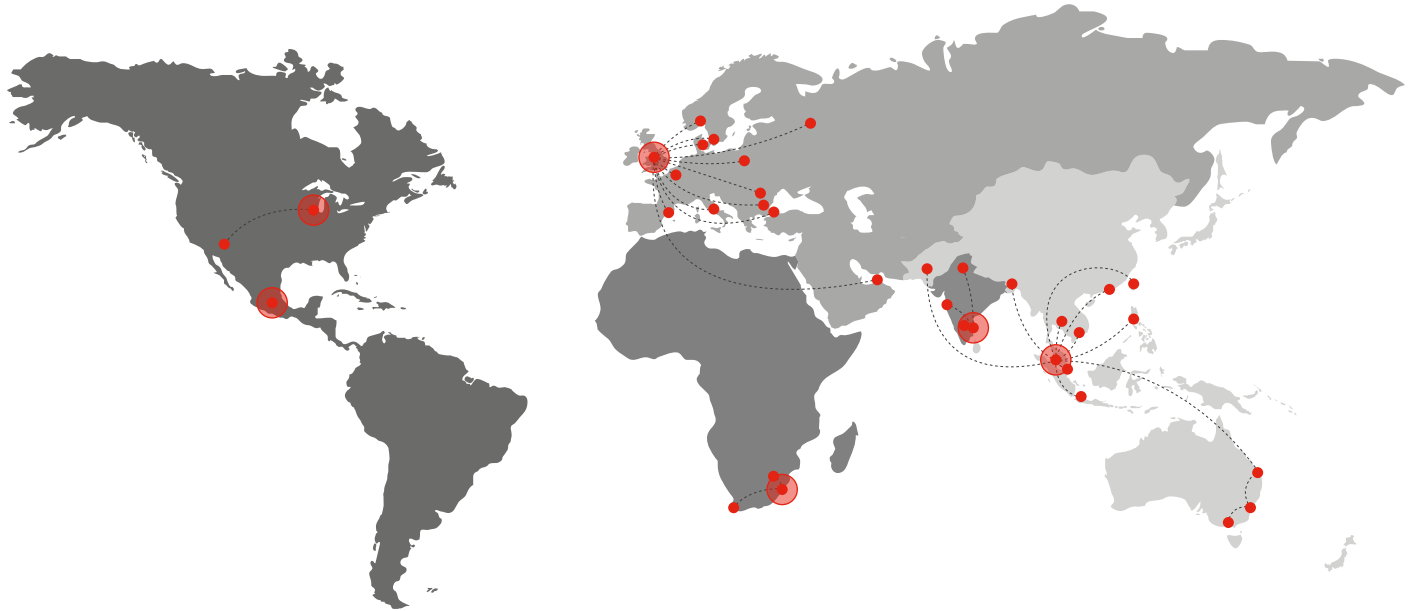
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Technical Profile

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ASTM D 4060 CS17 Wheel, 1000 cycles	0.080g loss			
IMPACT RESISTANCE:				
ISO6272	2.2 lb weight > 70 in 4.4 lb weight > 59 in			
VAPOR PERMEABILITY:				
Karsten Test	Nil (impermeable)			
BOND STRENGTH:				
Greater than cohesive strength of 3,000 psi concrete, > 220 psi				
FIRE RESISTANCE:				
BS 476-3	Designated EXT.FAA			
TEMPERATURE RESISTANCE:				
Softens over 158°F, hardens on cooling				
VOC:		50 g/l		
SPEED OF CURE:		32°F	70°F	90°F
Light Traffic		60 mins	45 mins	45 mins
Full Traffic		90 mins	60 mins	60 mins
Full Chemical Cure		120 mins	90 mins	90 mins



* Typical value is dependant on aggregate used.



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