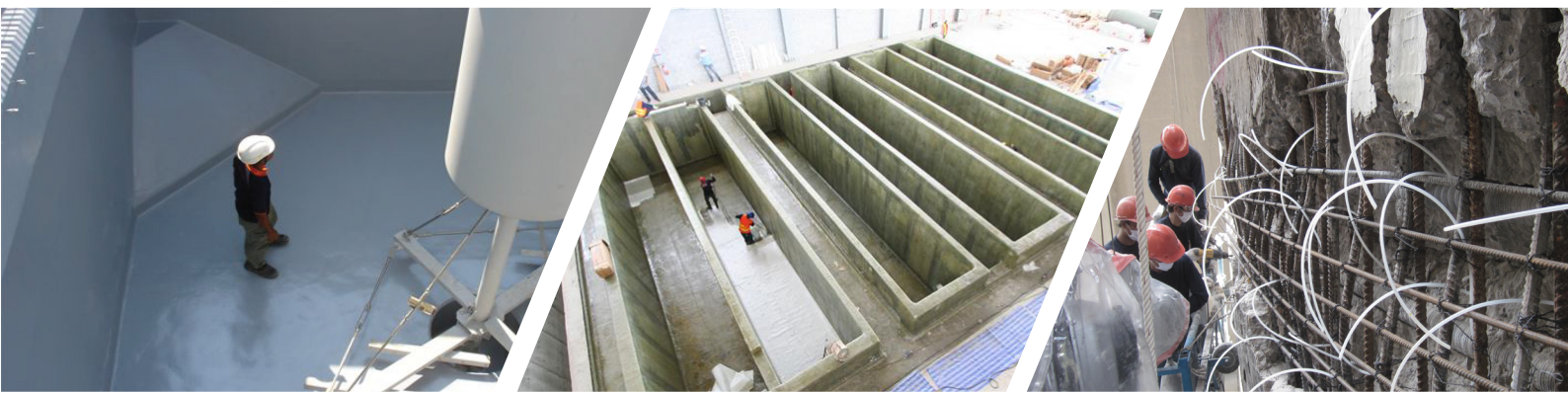


THE SPECIALIST IN REPAIRING STRENGTHENING AND COATING



Introduction



บริษัท สมาร์ท แอนด์ ไบรท์ จำกัด

Repairing, Strengthening & Coating Solutions

Smart and Bright is an applicator of high quality Repairing, Strengthening and Coating. We are dedicated to provide innovative solutions for your coating challenges in concrete repairing, structural strengthening, concrete wall and floor coating, FRP. lining, tank lining, waterproofing, heat proof and steel & metals protection.

Technology & Technical Support

Smart and Bright provide professional and technology inspection, investigate with various type of testing equipment. We also design to support client with technical report that can solve client problem.

Manufacturer & Materials

We are the manufacturer and importer of construction chemical with over 100 kinds of quality product from 20 countries.

Application & Machine

We own our special applicators with high technology of machine and equipment to make sure that our installation works are excellent.

After sales service

We built the relationship with service and responsibility commitment to warranty our work and take care our client for long term.



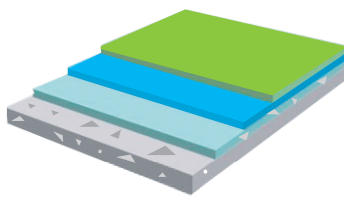
Smartfloor EP 103

Self Leveling Epoxy Floor Topping Layer

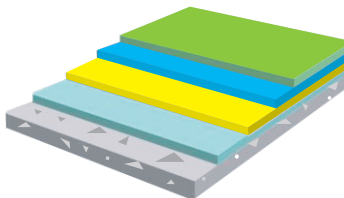


Method of Application

1.0 -2.0 mm. Self Leveling Epoxy Flooring



2.0 - 10.0 mm. Self Leveling Epoxy Flooring



-  Topcoat by trowel with Smartfloor EP 103 Epoxy Self Leveling
-  Putty Patching with Smartfloor EP 102 + Calofil 30
-  Mortar with Smartfloor EP 102 + Silica sand + Calofil 30 (Option)
-  Moisture Barrier with Smartfloor Epoguard (Option)
-  Concrete Substrate

Fields of Application

- Assembly line
- Automotive repair workshop
- Battery area, laboratory
- Chemical storage & processing area
- Die - casting plant
- Hospital, clinic & clean room
- Manufacturing plant
- Machine, tool room & workshop
- Pharmaceutical processing area
- Semiconductor production area
- Show room & service center
- Supermarket
- Warehouse & distribution center

Advantage

- Seamless, smooth shiny finished
- Chemical resistance
- Use over wet area
- Solvent & lubricant oil resistance
- 100% solid

Smartfloor EP 135

Self Leveling Epoxy Floor Topping Layer



Fields of Application

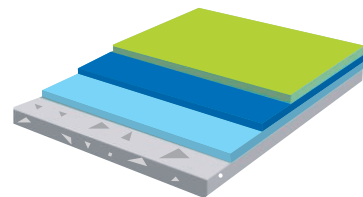
- Assembly line
- Automotive factory
- Production area
- Hospital, clinic & clean room
- Manufacturing plant
- Paper, pulp, printing industrial plant
- Pharmaceutical processing area
- Semiconductor production area
- Warehouse & distribution center
- Workshop

Advantage

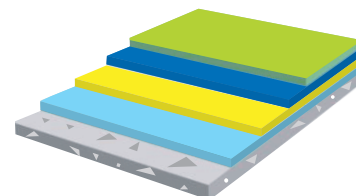
- Easy to apply by roller
- Economic coating
- Great for dry area
- Resist to mild chemical

Method of Application

300 - 600 Microns Epoxy Floor & Wall Coating



1.0 - 10.0 mm. Epoxy Mortar Coating



■ Topcoat by roller with Smartfloor EP 135

■ Putty Patching with Smartfloor EP 102 + Calofil 30

■ Mortar with Smartfloor EP 102 + Silica sand + Calofil 30

■ Primer with Smartprime EP 112

■ Concrete Substrate

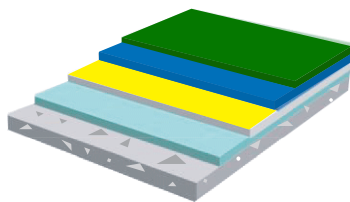
Smartguard EP 105C, Smartguard EP 105-SL

High Chemical Resistance Novolac Epoxy Coating & Self Leveling

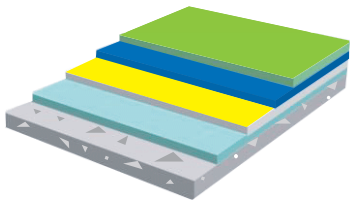


Method of Application

High Chemical Resistance Novolac Epoxy Coating



High Chemical Resistance Novolac Epoxy Self Leveling



- Topcoat by roller with Smartguard EP 105C
High Chemical Resistance Novolac Epoxy Coating
- Topcoat by trowel with Smartguard EP 105-SL
High Chemical Resistance Novolac Epoxy Self Leveling
- Putty Patching with Smartfloor EP 102 + Calofil 30
- Mortar with Smartfloor EP 102 + Silica sand + Calofil 30 (Option)
- Primer with Smartprime EP 112
- Concrete Substrate

Fields of Application

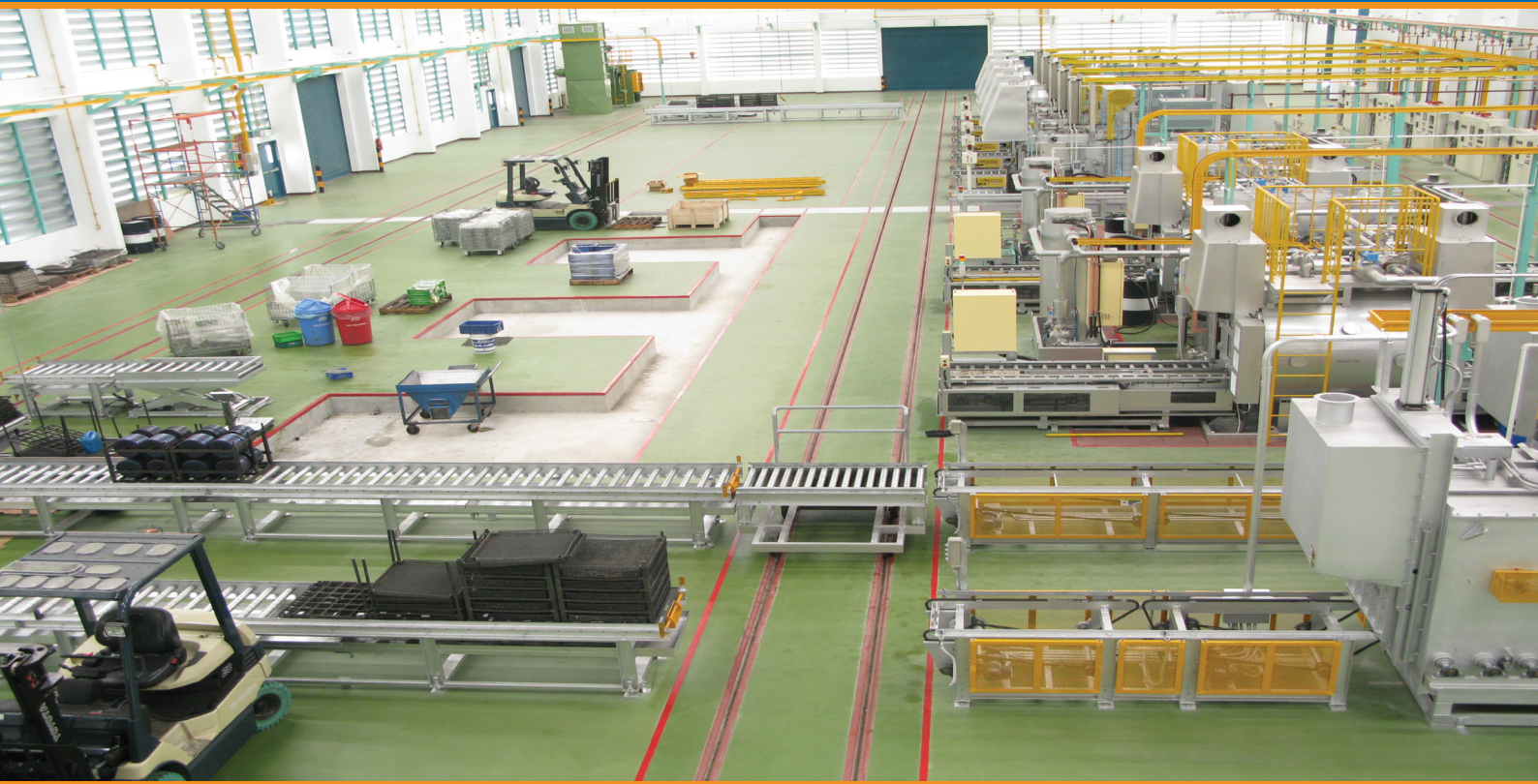
- Battery room
- Chemical storage room
- Corrosion area
- High chemical attack area
- Precision production area
- Wastewater treatment area

Advantage

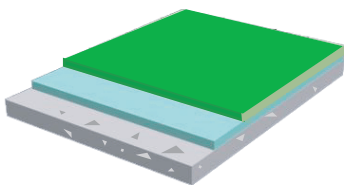
- High chemical resistance
- Can be apply on concrete & steel
- Resist to lubricant oil, battery acid
- Novolac epoxy (100% solid)

Polyurethane

Floor



S-CRETE HF

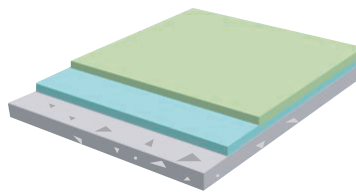


- Topcoat with S- CRETE HF
- Primer with Smartprime EP 112
- Concrete Substrate

Advantage

- Temperature resistance
- 40 °C to 130 °C
- Heavy duty
- Anti bacteria
- Load resistance
- Water - repellent
- Anti slip texture
- Matt finished

S-CRETE HF



- Topcoat with S- CRETE MF
- Primer with Smartprime EP 112
- Concrete Substrate

Advantage

- Temperature resistance
0 °C to 100 °C
- Medium duty
- Anti bacteria
- Load resistance
- Seamless
- Smooth texture
- Matt finished

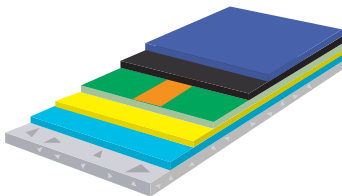
Fields of Application

- Food factory
- Drinking factory
- Green tea factory
- Brewery factory
- Fruit juice factory
- Dairy factory
- Ice cream factory
- Cosmetic factory
- Bottling plant
- Frozen food factory
- Medicine factory
- Consumer product factory
- Warehouse
- Heat & oven process
- Garbage room

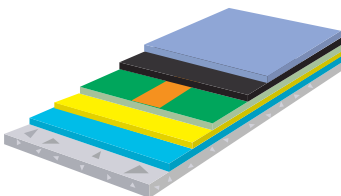
Anti Static & Conductive Floor



Smartcoat AS - TP



Smartcoat CD - TP



- Smartcoat AS - TP (Anti Static Topcoat)
- Smartcoat CD - TP (Conductive Topcoat)
- Smartprime CD (Conductive primer)
- Copper Strip
- Smartfloor EP 102 + Calofil 30 (Epoxy Putty)
- Smartfloor EP 102 + Silica Sand + Calofil 30 (Epoxy mortar)
- Smartprime EP 112 (Epoxy primer)
- Concrete Substrate

Fields of Application

- Dynamite production storage area
- Electronic factory
- Perfume production plant
- Polystyrene foam factory
- Clean room
- Static & dust control area
- High spark area
- Semiconductor factory

Advantage

- 100% solid coating
- Semi gloss finished
- Millions of paths to ground
- Spark proof
- Chemical resistance

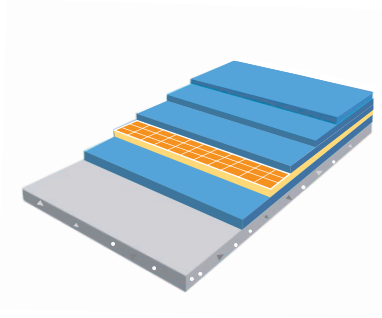
Waterproofing

Concrete, Metal Sheet Roof Lining

Acrylic Waterproof

(SMARTROOF AR)

5 Layers of Smartroof AR (1-3 Years Service Life)



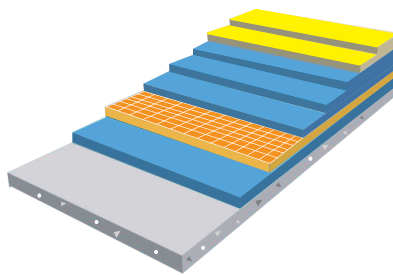
- Smartroof AR 4th Layer
- Smartroof AR 3rd Layer
- Smartroof AR 2nd Layer
- Polyester Mat
- Smartroof AR 1st Layer
- Concrete or Metal Sheet Roof



Ceramic Heat Proof

(SMARTCHILL)

7 Layers of Smartroof AR + Smartchill (1-3 Years Service Life)



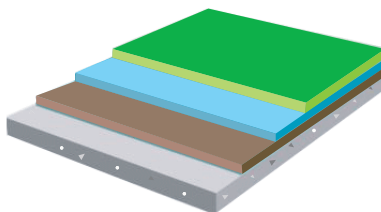
- Smartchill 2nd Layer
- Smartchill 1st Layer
- Smartroof AR 4th Layer
- Smartroof AR 3rd Layer
- Smartroof AR 2nd Layer
- Polyester mat
- Smartroof AR 1st Layer
- Concrete or Metal Sheet Roof



Polyurethane Waterproof

(SMARTROOF PU)

1.0 - 5.0 mm. Thickness (3-5 Years Service Life)



- Smartroof PU 203 (Waterproof + Anti UV. Topcoat)
- Smartroof PU 202 (Waterproof Middle Layer)
- Smartroof PU 201 (Primer Layer)
- Concrete Roof



Pure Polyurea

Spray



Advantage

- 100% Pure Polyurea
- 100% solid, no solvent, no VOC's, no filler
- Fast setting : handle in two minutes or less.
- Excellent waterproofing
- High abrasion resistance
- Flexibility and high impact resistance
- Superior tensile strength
- Chemical resistance
- Environmental protection
- Spray technology
- Seamless
- 10 - 20 years service life

SMARTCOAT VF 320

Fields of Application

- Concrete & metal sheet roof
- Cold room & food operation area
- Parking deck
- Petroleum tank, oil & gas pipeline
- Toxic waste containment
- Primary chemical containment
- Bottling & canning plant
- Water & wastewater treatment tank
- Internal & external lining of silo
- Pulp chest & tower, tunnel
- Pit & water sump, sludge pit
- Swimming pool, tank lining
- Rail & vehicular deck
- Toxic garbage pit
- Bomb blast proof

FRP. General

Design Work (Made To Order)



Fields of Application

- Aquarium tank
- Water tank
- Chemical storage tank
- Wastewater treatment tank
- Duct & hood
- Field service
- Basin
- Stack & scrubber

Advantage

- FRP. made to order
- FRP. general design work
- FRP. tank fabrication
- FRP. tank lining

FRP. Onsite

Services



Advantage

- Chemical resistance
- Corrosion resistance
- Temperature resistance
- Long life
- Easy to repair & maintain
- Waterproofing

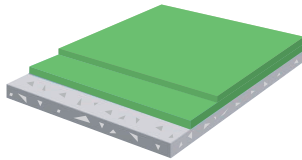
Fields of Application

- Wastewater treatment tank
- Raw water tank
- Secondary containment tank
- Dipping tank
- Chemical storage area

Tank Lining

Smartseal

Cement Base Waterproof



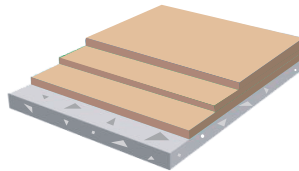
- Smartseal 2nd Layer
- Smartseal 1st Layer
- Concrete Substrate

Fields of Application

- Water tank
- RO. tank
- Water sump
- Concrete foundation
- Cooling tank

Smarttar EPH

High Chemical Resistance
Coal Tar Epoxy Coating



- Smarttar EPH 3rd Layer
- Smarttar EPH 2nd Layer
- Smarttar EPH 1st Layer
- Concrete Substrate

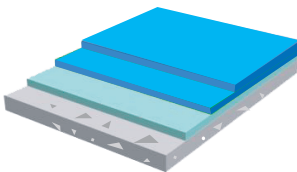
Fields of Application

- Wastewater treatment tank



Smartfloor EP 104

Solvent Free Epoxy Floor & Wall Coating



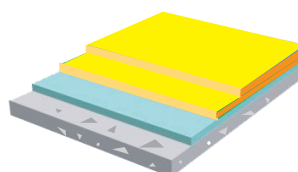
- Smartfloor EP 104 (2nd Topcoat)
- Smartfloor EP 104 (1st Topcoat)
- Smartprime EP 112 (Epoxy Primer)
- Concrete Substrate

Fields of Application

- Wastewater treatment tank
- Water tank
- RO. tank
- Water sump

Smartguard EP 105C

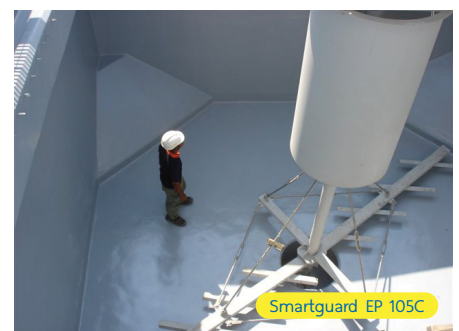
High Chemical Resistance
Novolac Epoxy Coating



- Smartguard EP 105C (2nd Topcoat)
- Smartguard EP 105C (1st Topcoat)
- Smartprime EP 112 (Epoxy Primer)
- Concrete Substrate

Fields of Application

- Wastewater treatment tank
- Water tank
- RO. tank
- Chemical plant
- Chemical secondary containment
- Chemical storage tank



Steel & Metals

Protection



Fields of Application

- Blower housing
- Chemical storage tank
- Chimney
- Cooling pipe & pipeline
- Cyclone
- Deburring machine
- Dust collector silo
- LPG & LNG tank
- Helideck
- Hood heat exchanger
- Offshore equipment
- Pump coating & lining
- Pulp & paper industrial plant
- Screw feeder
- Ship & vessel
- Steel structure
- Storage tank & water tank
- Wastewater treatment tank
- Transportation pipeline

Services

- Abrasion protection
- Chemical protection
- Corrosion protection
- Erosion protection
- High temperature protection

Concrete

Repair

Leak Repair

Smartfoam PU (Polyurethane Foam Injection)



Fields of Application

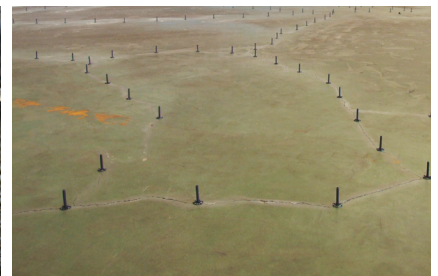
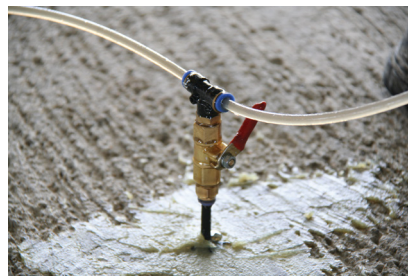
- Underground tunnel
- Underground floor & wall
- Underground tank
- Water tank
- Wastewater tank
- Wall, floor & ceiling expansion joint
- Concrete dam
- Crack or honeycomb concrete
- Biogas tank
- Secant pile / Retaining wall

Crack Repair

Smartinjection (Epoxy Injection)

Fields of Application

- Car park
- Concrete floor
- Concrete structure
- Concrete tunnel
- Concrete roof slab
- Concrete silo
- Express way
- Concrete road
- Bridge - deck
- Honeycomb
- Jetty



Subsealing, Scanning, Coring & Sawing

Cement High Pressure Injection Subsealing

Fields of Application

- Concrete floor & road degrade
- Hollow and eroded at beam, column, ceiling concrete
- Repair zone with restricted access or congested reinforcement



Scanning, Coring & Sawing



Fields of Application

- Precision hole for cable pipe
- Ventilation, anchor test core
- Precision hole for natural stone, masonry asphalt
- Positive anchoring for vertical & horizontal drilling

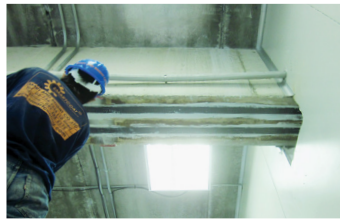
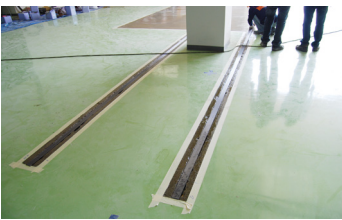


CFRP

(Carbon Fiber Strengthening)

Carbon Fiber Strip

(SmartFiber - Strip)



Fields of Application

- Increasing load bearing capacity/live load
- Strengthening Flexural, Shear and Torsional capacity
- Increasing effective moment of inertia, rigidity and stiffness
- Reducing crack width and deflection
- Strengthening around cut opening

Advantage

- High strength, high modulus
- Light weight
- High chemical resistance
- Durable, corrosion resistance
- Fast and easy installation
- No heavy equipment / Minimal disturbance to structures
- Minimal disruption to normal service
- High fatigue and creep resistance

CFRP

(Carbon Fiber Strengthening)

Carbon Fiber Sheet
(SmartFiber - Sheet)



Fields of Application

- Increasing load bearing capacity/live load
- Strengthening Flexural, Shear, Axial and Torsional capacity
- Increasing effective moment of inertia, rigidity and stiffness
- Reducing crack width and deflection
- Seismic retrofitting
- Enhancing lap splice bond capacity
- Confinement
- Strengthening impact resistance

Advantage

- High strength, high modulus
- Light weight
- High chemical resistance
- Durable, corrosion resistance
- Fast and easy installation
- No heavy equipment / Minimal disturbance to structures
- Minimal disruption to normal service
- High fatigue and creep resistance

Structure Repair



Fields of Application

- Concrete bridge spoiling
- Concrete structure degrade & spoil
- Concrete column beam spoiling
- Concrete silo spoiling
- Concrete jetty failure from salt water
- Concrete failure from wetting & drying
- Concrete failure from chemical attack
- Concrete damaged from heat and fire



“ The specialist in repairing strengthening and coating ”

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