VIP COATING SOLUTIONS

2022 | English

VIPSHIELD - COMBO-PROTECT SYSTEM

INDUSTRIAL LININGS | WATERPROOFING | ROOFING | TURNKEY SOLUTIONS

THE VIPSHIELD ADVANTAGE

Cost efficient

The combination of VIPShield's outstanding insulation and high solar reflectivity will protect your property for decades against water, heat, cold as well as rising energy costs.

Warranted performance

Due to the unique chemical make-up, Both VIPShield Reflect and FM500 have outstanding UV resistance and therefore will not require maintenance for at least 20 years.

Reduced construction cost

With a combined weight of less than 5 kg per m^2, VIPShield PU50 and VIPShield Reflect as well as FM500 are lighter than traditional roofing materials. When compared to other combo roofing options, placing a bonded screed under the insulating layer reduces thickness and weight by at least 70kg per square metre. This low weight can offer cost and space savings throughout the construction through reduced support thickness.

Solar reflectivity

VIPShield Reflect provides a robust, durable waterproofing insulation system with excellent SRI values. Due to the product's high UV resistance, VIPShield will continue to offer optimum solar reflectivity throughout its expect 20 year + lifetime.

Thermal insulation

VIPShield's PU closed cell polyurethane foam insulation creates an extremely efficient semi rigid waterproof thermal barrier, insulating your building against heat loss and gain through radiated heat.

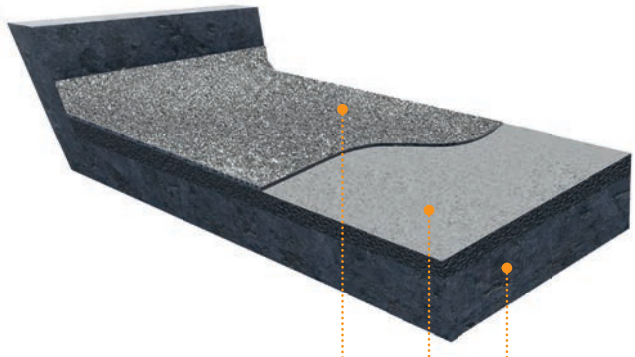
Fast track installation

All products are spray applied meaning they offer extremely rapid installation time and avoid the risks associated with weather damage. Without the need for a traditional screed overlay, VIPShield offers huge time advantages over traditional combo systems reducing overall construction time, meaning your property can be occupied sooner.

VIPSHIELD SYSTEM

VIPSHIELD CONCRETE

A waterproofing system for concrete roofs.



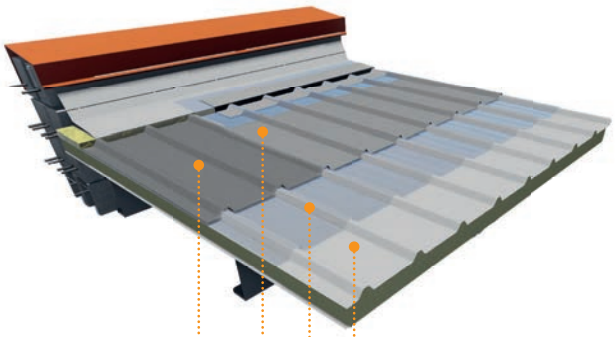
QuickSeal MP500 Reflect Silver
Waterproof UV reflective membrane

QuickPrime Epoxy SF

Concrete deck

VIPSHIELD METAL

A waterproofing system for metal roofs.



Sandwich panel

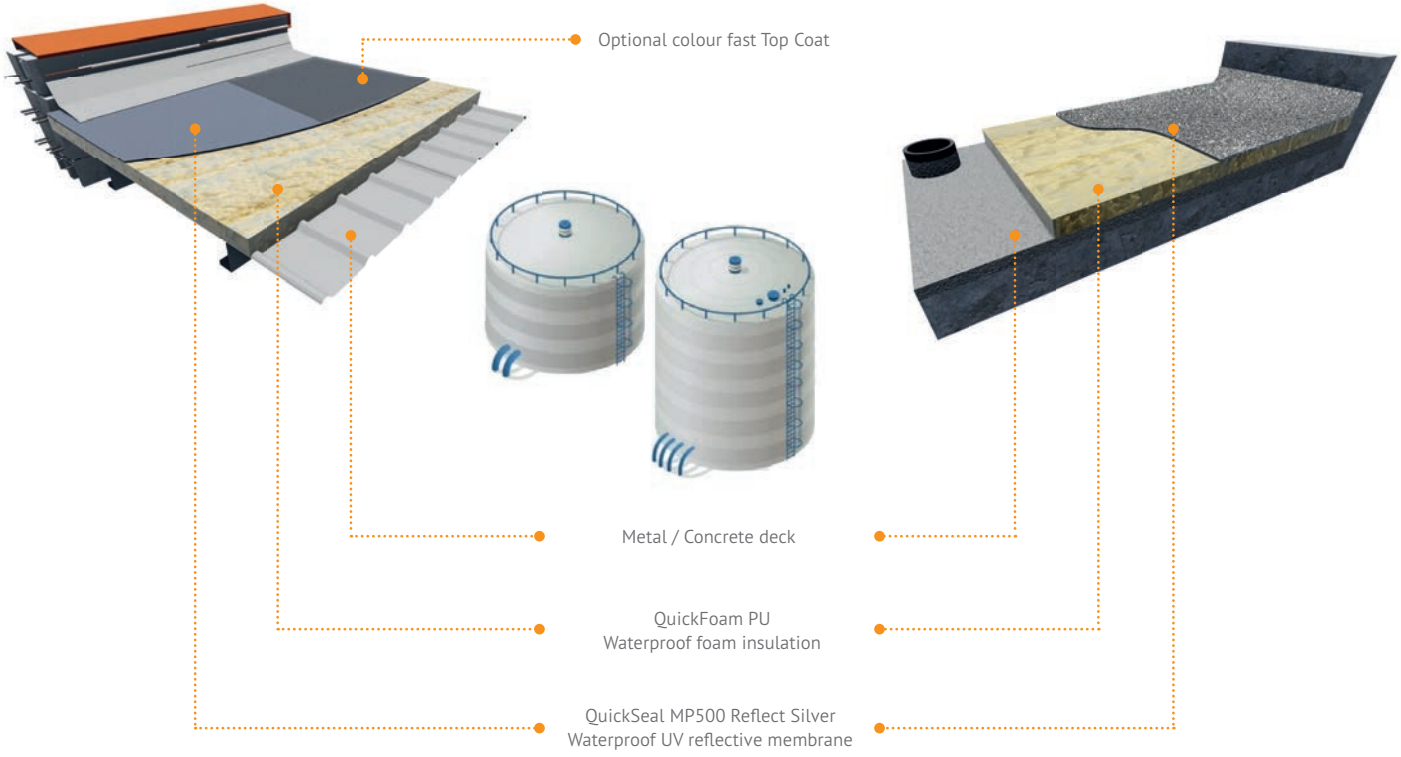
QuickPrime PU

QuickSeal MP500 Reflect Silver
Waterproof UV reflective membrane

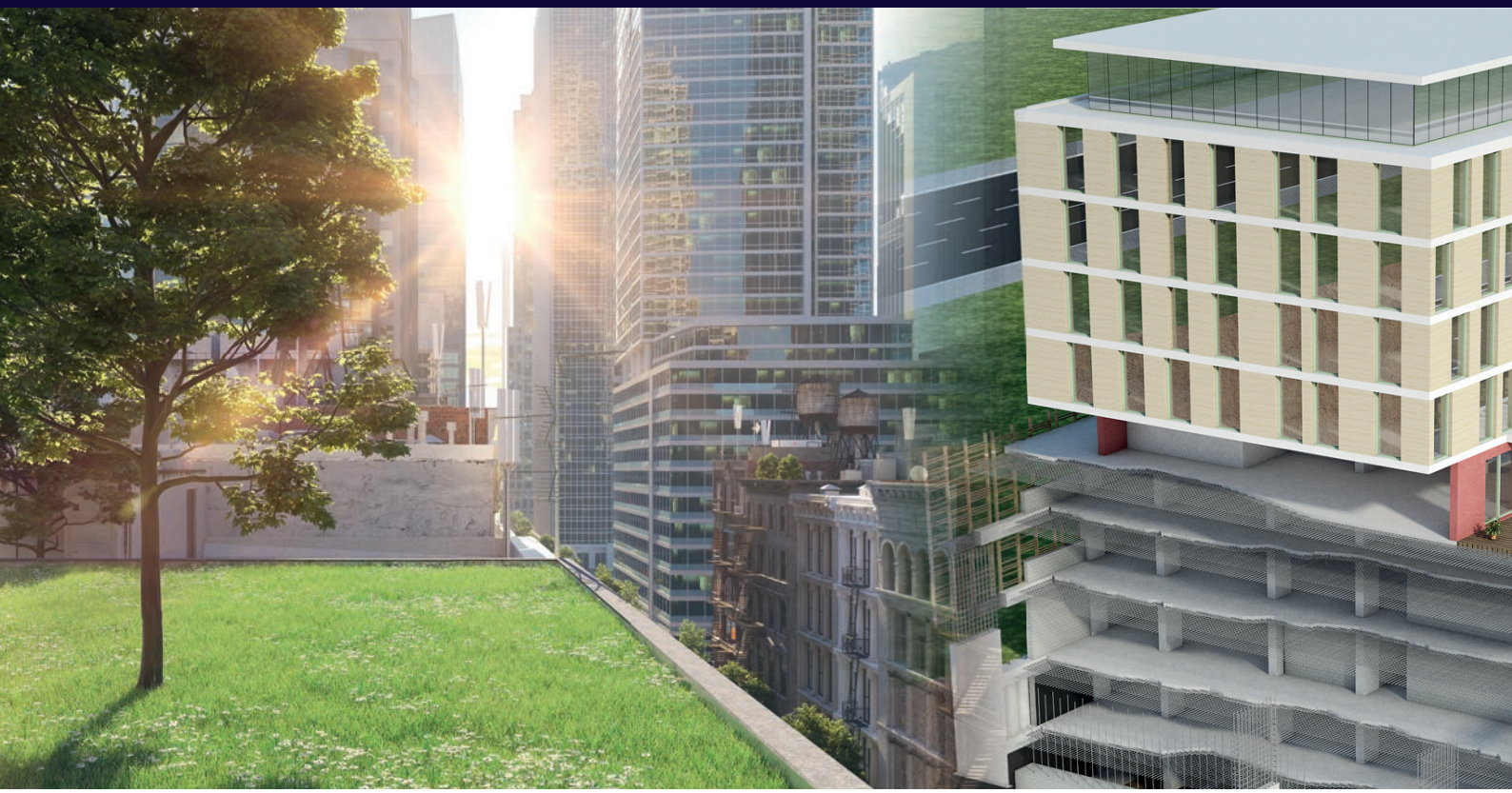
Optional colour fast Top Coat

VIPSHIELD **FOAM**

A waterproofing system for concrete or metal roofs with ASTM E108 certified membrane.

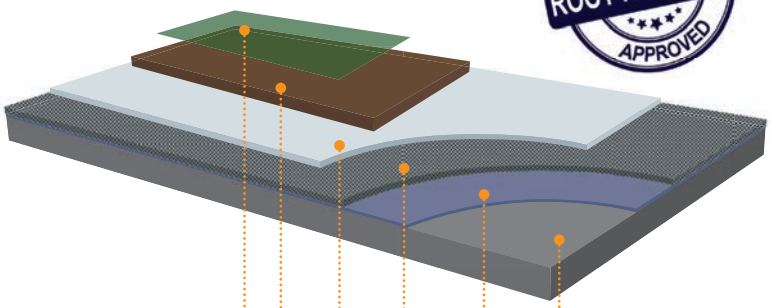


VIPSHIELD SYSTEM



VIPSHIELD GREEN ROOF

To waterproof roof decks intended to be used for green roofs.



Grass

Soil

Geotextile

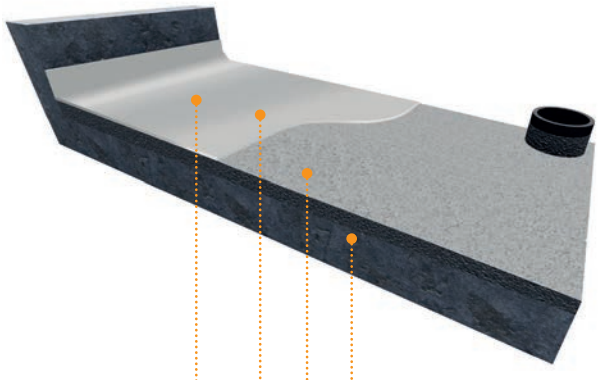
Drainage Perforated Layer

QuickSeal PP350

Concrete

VIPSHIELD ROLLER-APPLIED

For waterproofing concrete roofs.

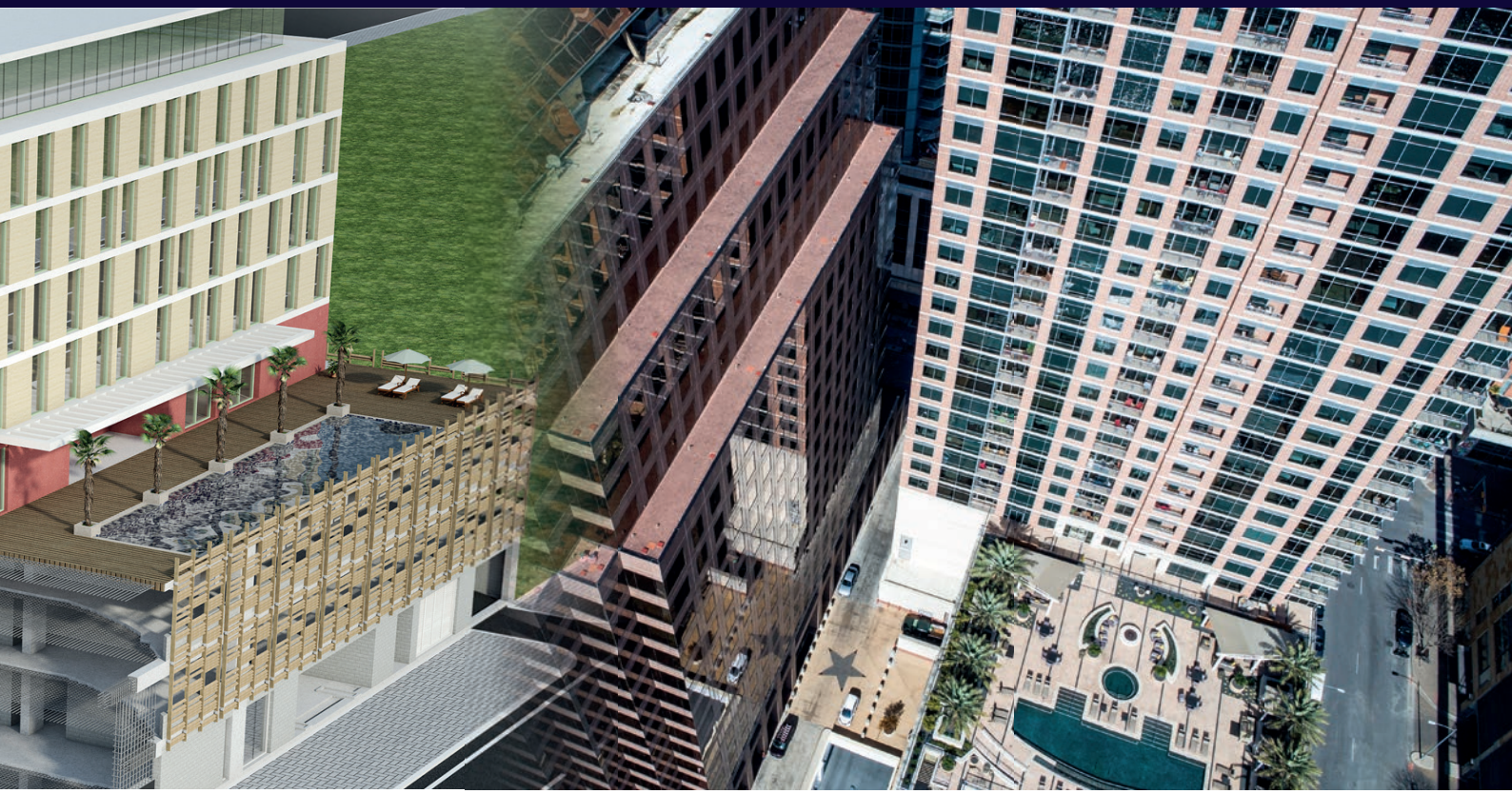


Concrete

QuickPrime Epoxy SF

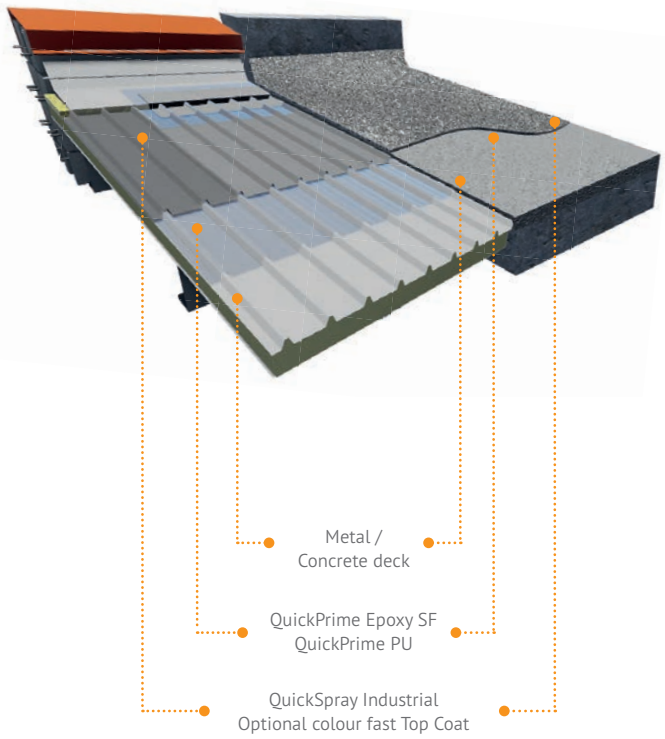
QuickRoll 2K
QuickRoll 2K SF

Optional colour fast Top Coat



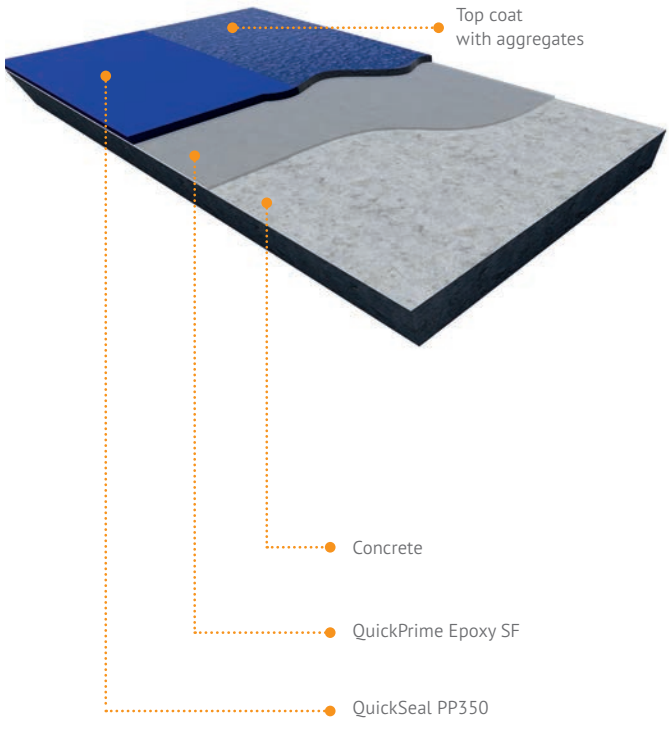
VIPSHIELD **INDUSTRIAL**

UV-stable and for usable roofs where the roof can be subjected to traffic, abrasion, or chemicals.



VIPSHIELD **PODIUM DECK**

Slip resistant waterproofing system for podiums decks.



VIPSHIELD KEY FEATURES

High insulation values:

- Specially formulated closed cell insulation foam barrier
- Flexible, seamless waterproofing protective membrane with a high SRI index (tested to ASTM E-1980-11) for even greater protection against heat absorption and retention
- Lower heating and cooling costs
- Smaller environmental footprint

Double the protection Double the benefits

- VIPShield Combo Roofing System can be applied to almost any substrate of complex design including easily dressing over plinths and parapets
- Fills voids in metal roofs to prevent moisture and hot/cold air ingress
- Two layers of waterproofing protection are provided that do not require any joints across the entire roof span
- Fire Protection Classification according ASTM E-108: Class A

Excellent Strength

- Very high tensile strength
- Very high impact and abrasion resistance
- Optimum resistance to high sheer forces
- High crack bridging ability
- Resistant to tearing and root penetration.

Quickprep Repair Products

- A full range of fully compatible, easily applied repair products are provided as part of the VIP Quickprep range
- Crack injection and filling materials can be overlaid within 10 minutes

LINING SYSTEM RANGE

VIPSHIELD	Combo-protect system
QUICKDECK	Car park decking system
LIQUISHIELD	Fluid containment & lining
LEISURELINE	Lagoons & waterparks
CLEANCOAT	Clean & hygienic coatings for food & pharma
QUICKFLOOR	Superfast industrial flooring system

VIP
COATING SOLUTIONS

VIPSHIELD PROJECT REFERENCES

HELIPAD WESTIN HOTEL

Oberoi required a fast curing surface coating system with high impact and long last coating, no cracking and stable features for the Helipad.
Application with 1:1 heated, high pressure, plural component equipment. Pressure of time for fast completion and cost advantages favoured QuickSeal MP500 2-component hybrid system derived from a reaction of an Isocyanate and a modified Polyurea/ Polyurethane resin blend.

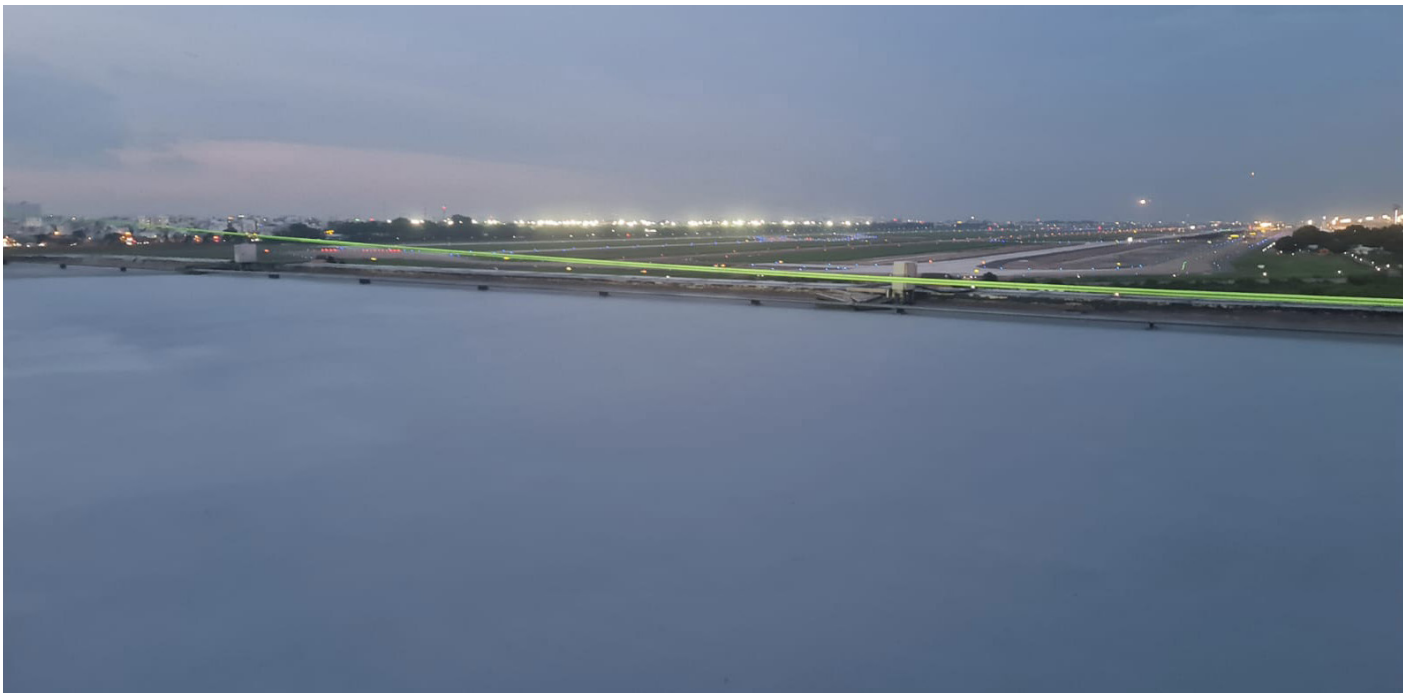
Processing took place in the following steps:

1. Old 10 mm damaged FRE sheet flooring was removed with high speed machineries
2. Pot holes were repaired and groove was filled
3. Surface was primed and adhesion improved
4. The aromatic Polyurea QuickSeal MP500 was applied with heated, high pressure spray equipment at 3 mm thickness
5. Top Coat over cured Polyurea was applied

The complete process of surface-preparation and application of base coat was successfully completed within 12 days.

Location	Mumbai, India
Client	Oberoi Westin Hotel
Consultant	CBRE India
Distributor	Berger Paints India Ltd
Area	650m²
Construction Date	2022
VIP System	VIPShield QuickSeal MP500

PANDORA ROOF RENOVATION



Pandora have had leaks through the expansion joints on roofs for a number of years. Torched apply bituminous membrane has been applied without success. Many alternative repair systems are considering such as TPO/PVC membrane or polyurethane for repairing. VIP Coatings was participating and provided the roofing system VIPShield.
The product was tested and successfully approved as a fast curing surface coating system with high mechanical abrasion resistance, no VOC contents, crack bridging ability and stable features for the restoration and waterproofing for the complete roof.

Processing took place in the following steps:

1. The existing bituminous menbrane waterproofing system was removed
2. Grinding surface to remove residue and weak areas
3. Sealant the expansion joints
4. Priming by QuickPrime Epoxy SF SEA at 0.2 kg/m²
5. The aromatic Polyurea QuickSeal PP350 sprayed with 1.8mm thickness

The process was successfully completed within 30 days, not take account raining days.

Location	Ho Chi Minh, Vietnam
Client	Pandora
Consultant	approved and certified by VIP Coatings
Area	8.000m²
Construction Date	2022
VIP System	VIPShield QuickPrime 2K Epoxy SF SEA QuickSeal PP350

VIPSHIELD PROJECT REFERENCES

IBN BATUTTA MALL DUBAI

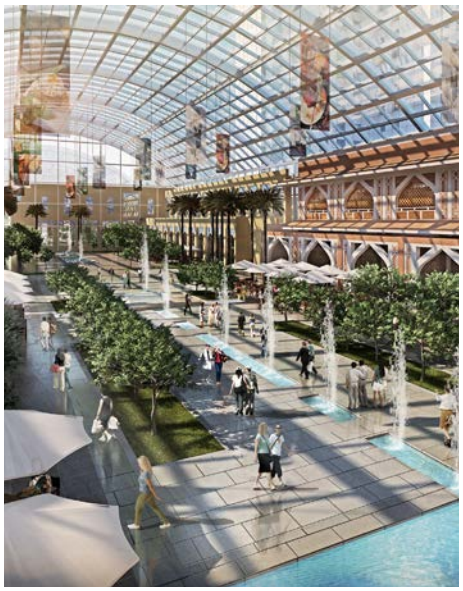
Ibn Battuta Mall located at Jebel Ali Village Dubai is the world's largest themed shopping mall with more than 400 outlets.

For several years the Ibn Battuta Mall had problems with water leakage and despite several attempts to find the leaks and undertake patch repairs the water ingress continued.

The leaking roof resulted in damaged stock, slip hazards and the potential for structural damage & fire caused by electrical shorts.

Guaranteeing water tightness using traditional sheet membranes was impossible due to the complicated nature of the roof structure and all the plant and equipment fittings that were located on the roof.

VIP`s VIPShield Roofing System provided a fast application, spray applied seamless solution that could transgress multiple substrate types.



Country	UAE
Client	Nakheel Retail, Ibn Battuta Malll
Consultant	Inhouse
Coating Contractor	Anticor Ltd
Project	Roof Refurbishment
Area	1.100 m^2
Construction Date	2009
VIP System	QickPrime VIPShield Roofing system

SILOS FOR GRAIN & RICE STORAGE, UAE

The UAE imports more than 90% of its food needs, therefore the strategic Grain Reserve is vital. The Federal Strategic Grain Reserve Project consisted of 20 silos for grain and rice storage.
The silos have the capacity to store up to 300,000 tonnes of grain.

The roofs of the Grain silos were sealed and insulated using VIP-Shield Combo Roofing System. The external walls were sealed with a VIP LiquiShield membrane ensuring the gas and water tightness of the silos.

The project was undertaken by a VIP "Elite Applicator" under the Technical supervision of VIP Technical Services.

Country	UAE
Client	China Harbour Engineering Company LLC
Consultant	Mott MacDonald
Coating Contractor	AntiCor LLC
Project	Silos for grain & rice storage
Area	40.000 m^2
Construction Date	2010
VIP System	VIPShield Roofing system VIPShield PU50 VIPShield FM500 VIP LiquiShield

VIPSHIELD PROJECT REFERENCES

MAGIC LIFE HOTEL, TURKEY

The MAGIC LIFE hotels are a brand owned by the TUI group.

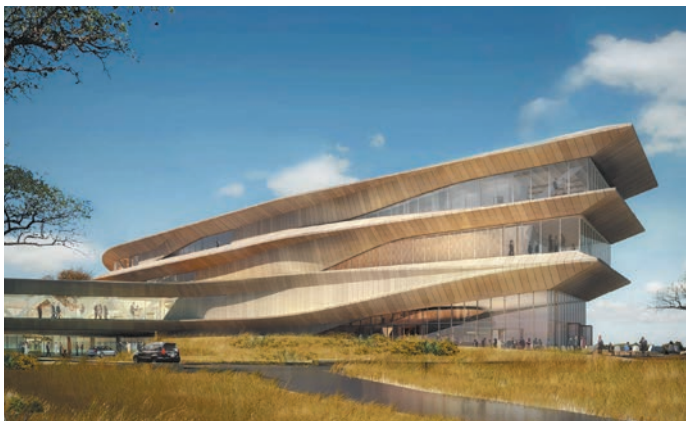
All hotels are right near a sandy beach and some even have their own private stretches.

The Magic Life Hotel in Bugla/Turkey required a fast a fast fix for its leaking roof. Speed of application was paramount in order to avoid disruption to guest activities.

VIP`s VIPShield Combo Roof System provided both long term waterproofing security and insulation features lowering cooling costs and reducing the hotels carbo footprint.

Country	Turkey
Client	Magic Life Hotel Group
Coating Contractor	Arsan Yapi, Antalya, Turkey
Project	Restoration and waterproofing of the complete hotel roof
Area	2.000 m²
Construction Date	2010
VIP System	QuickPrime VIPShield Roofing system

INNOVATION HUB GABARONE, BOTSWANA



Country	Botswana
Client	BITC
Project	Green roof coating
Area	24.000 m²
Construction Date	2017 / 2018
VIP System	QuickPrime VIPShield Roofing system VIPShield PU 50

The roof design of the Botswana Innovation Hub has been designed as a "green roof" and incorporates rain water collection features.

The roof design incorporates large overhangs to passively shade the building's interior and incorporates the latest in energy conservation including VIP`s VIPShield Combo Roof System.

The importance of a secure waterproofing system cannot be over stated for this prestigious project. The combination of a seamless and flexible waterproofing membrane and excellent insulation properties makes VIPShield a sound choice.

VIPSHIELD PROJECT REFERENCES

YSI AUTOMOTIVE WATERPROOFING

YSI Automotive India Pvt Ltd required protection of corrugated metal sheet-roof from corrosion as well as to provide waterproofing of the area.

Applied Coating System
Surface Preparation was done with PU foam of 15mm thickness, followed by application of QuickSeal MP500 (Hybrid polyurea) of 1mm thickness and PU top coat Bergerthane PU Glossy Finish Light Grey of 40 Microns.
Application was performed with Gushmer GH-2 Plural Component Graco Foam Spray Machine, 1:1 heated, high pressure, plural component equipment. Pressure of time for fast completion and cost advantages favored QuickSeal MP500, 2-component hybrid system derived from a reaction of an MDI Prepolymer and a polyol amine mixture resin blend.

Process took place in the following steps:

- Roof surface was cleaned and well prepared to be free from any residues of contamination that can affect the performance / bonding of the subsequent coating.
- Application of Foam 15mm was carried over the roof surface, followed by application of QuickSeal MP500 was carried out.
- QuickSeal MP500 was applied with heated, high pressure spray equipment. Completion of polyurea application, the surface was top coated with PU to resist UV, finishing the roof coating system.

Location	Chennai, India
Client	YSI Automotive India Pvt Ltd
Applicator	Sungshin Construction Pvt Ltd
Distributor	Berger Paints India Ltd
Area	2.500m²
Construction Date	2022
VIP System	VIPSHIELD QuickSeal MP500

JEBEL ALI GULF DRUGS

International Humanitarian City is a Dubai based hub for humanitarian emergency preparedness and response. The building is going through a complete refurbishment and as part of this project wanted to waterproof the roof.
The client needed a comprehensive warranty and a product that would guarantee a fast turn around time.
VIPSHIELD was chosen by the client as it exceeded all of their requirements.

Application steps:

1. Surface repair & preparation
2. Priming using QuickPrime 2K Epoxy SF ME
3. Application of 2mm QuickSeal PP350 - hot spray applied polyurea

Location	UAE
Client	Dubai Health Authority
Applicator	Unimag Technical LLC
Area	2.400m²
Construction Date	2021
VIP System	VIPSHIELD QuickPrime 2K Epoxy SF ME QuickSeal PP350

VIPSHIELD PROJECT REFERENCES

NUJOUM BUILDING

Corrotech Building Maintenance is part of the MCT Group of Companies and provides facility management services to over 2.000 villas and apartments.

The client was looking to refurbish the roof of an older building in Dubai. The project had many challengers in that the roof was full of A/C units, old satellite dishes and redundant pipes. Therefore, the roof had to be completed in stages and services returned to use asap.

VIPSHIELD was chosen by the client as it provided a seamless waterproofing membrane, extended warranties in comparison to other systems and a quick turnaround time meaning limited inconvenience to tenants.

Application steps:
1. Surface repair & preparation
2. Priming using QuickPrime 2K Epoxy SF ME
3. Application of 2mm QuickSeal PP350 - hot spray applied polyurea

Location	Dubai / UAE
Client	Corrotech Building Maintenance
Applicator	Unimag Technical LLC
Area	3.000m²
Construction Date	2021
VIP System	VIPSHIELD QuickPrime 2K Epoxy SF ME QuickSeal PP350

HEALTH AUTHORITY - ROOF WATERPROOFING

Dubai Health Authority was established in 2007 and is responsible for the healthcare of residents and citizens of Dubai. The Authority runs 4 hospitals and 35 other healthcare and specialty centres.

The client carries out regular maintenance and refurbishment and it was observed that some older roof waterproofing membranes needed to be replaced. As the facilities house expensive equipment it was important that a proven system would be used.

VIPSHIELD was chosen by the client as it provided a seamless waterproofing membrane, extended warranties and a maintenance free solution.

Application steps:
1. Surface repair & preparation
2. Priming using QuickPrime 2K Epoxy SF ME
3. Application of 2mm QuickSeal PP350 - hot spray applied polyurea

Location	Dubai / UAE
Client	Dubai Health Authority
Applicator	Unimag Technical LLC
Area	4.000m²
Construction Date	2021
VIP System	VIPSHIELD QuickPrime 2K Epoxy SF ME QuickSeal PP350

VIPSHIELD PROJECT REFERENCES

WATERPROOFING LOHAS PARK

A new construction of the Fire Service plant room RC structure, location for work including external wall, roof and street fire hydrant tank required waterproofing.

The Client decided to choose VIP for solutions supplied by V-PRO Construction Material Ltd. with the following requirements:

- Long term waterproofi ng system
- Application surface including roof top, external wall and F.S. tank lining
- Green roofing required
- Maintain water tight up to 3.0m water pressure in constant
- Environmental product

The complete process of primer, application of the VIP Polyurea membrane and topcoat was successfully completed in ONE off spray application.

Location	Hong Kong, Tseung Kwan O
Client	MTR
Applicator	V-PRO
Area	850m²
Construction Date	2021
VIP System	VIPSHIELD QuickPrime 2K Epoxy SF21 QuickSeal MP250

RESIDENTIAL BUILDINGS ON HATTON ROAD

The building is owned by the private owner and re-roofing with low environmental implication was needed. The client required a fast curing surface waterproofing system with high mechanical abrasion resistance, no VOC contents, crack bridging and stable feature for the restoration and waterproofing for the complete roof.

Pressure of time for fast completion and cost advantage favoured QuickSpray Industrial (aromatic), a 2-part Pure Polyurea Coating System derived from a reaction of Isocyanate and a Polyamine terminated resin. The client decided to choose VIP for solutions supplied by V-PRO Construction Material Ltd.

The complete process of primer and application of the VIP Polyurea membrane was successfully completed in 3 days.

Location	Hong Kong
Client	Building Owner
Applicator	V-PRO
Area	650m²
Construction Date	2016
VIP System	VIPSHIELD QuickPrime 2K Epoxy SF21 QuickSpray Industrial

VIPSHIELD PROJECT REFERENCES

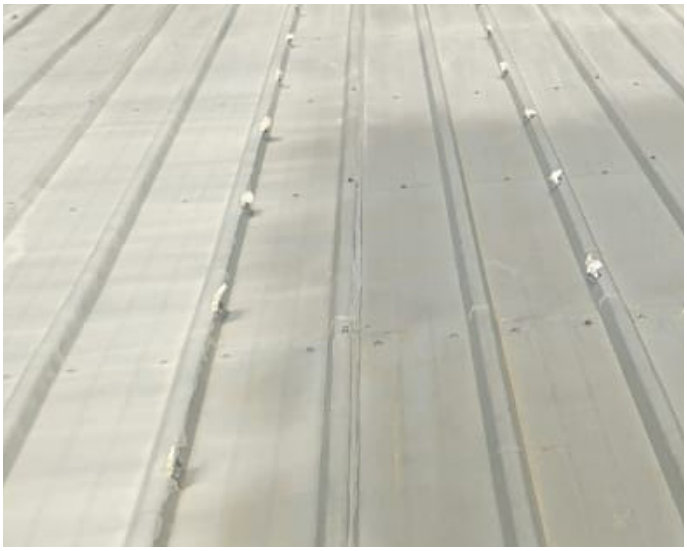
IKK GLASS FACTORY

IKK group of companies is one of the most integrated companies in Saudi Arabia where they are involved in manufacturing, construction, applications, services, and even in solar energy.

In order to run IKK Glass factory on Solar Energy, IKK needed a roofing/waterproofing system that can run maintenance free for 25 years as the whole roof shall be covered with solar panels in order to operate the 11,000m² glass factory on solar energy.

One of the brightest names in waterproofing in Saudi Arabia, BMC, an IKK company did the job using a pure polyurea coating from VIP Coatings QuickSeal PP350, proudly supplied directly from Germany in spring 2021.

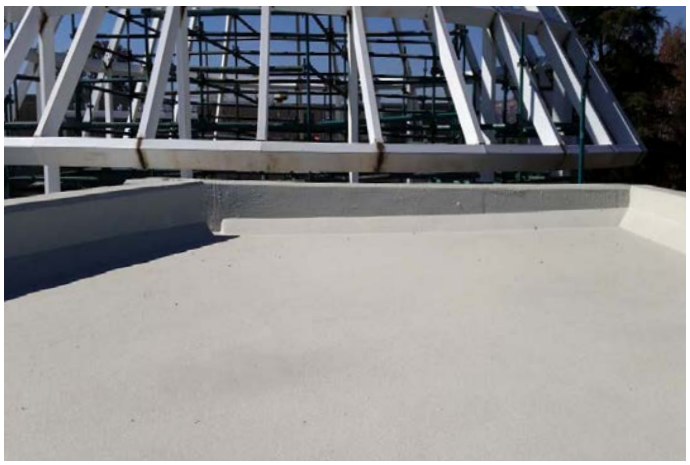
Country	Sauda Arabia, Jeddah
Client	IKK Group
Applicator	Isam Kabbani & Partners
Area	11.000m²
Construction Date	2021
VIP System	VIPSHIELD QuickPrime 1K PU QuickSeal PP350



ROYAL PALACE

Wide-spread sealing of surfaces at the new ultra luxurious Royal Palace in Maseru was required. Areas of the palace sealed with the pure polyureacoating were: palace roofs, roof gardens, tanking for ground-level exotic gardens, guest house roof, and tennis clubhouse roof. The design of the palace called for waterproofing that was guaranteed not to leak, particularly as part of the roof gardens are on the roofs of the living quarters of King Letsielll.
VIP QuickSpray Polyurea can after proper preparation be applied to concrete, metal, foam or other surfaces and within seconds, builds a rubber-like elastic skin that will not only resist punctures but has excellent resistance to heat punctures and heat distortion and sagging as it maintains its flexibility and shape. The coating, once cured, is also not affected by moisture and copes with fluctuations of temperature with its high elongation and superior tensile strength. VIP Polyurea coatings – containing no VOCs and solvent free – are designed to perform for around 25 years which substantially cuts the costs of repairs and maintenance.

Location	Maseru, Lesotho, South Africa
Client	Royal Palace
Applicator	a.b.e. Construction Chemicals
Area	2.400m²
Construction Date	2018
VIP System	VIPSHIELD QuickSpray



VIPSHIELD PROJECT REFERENCES

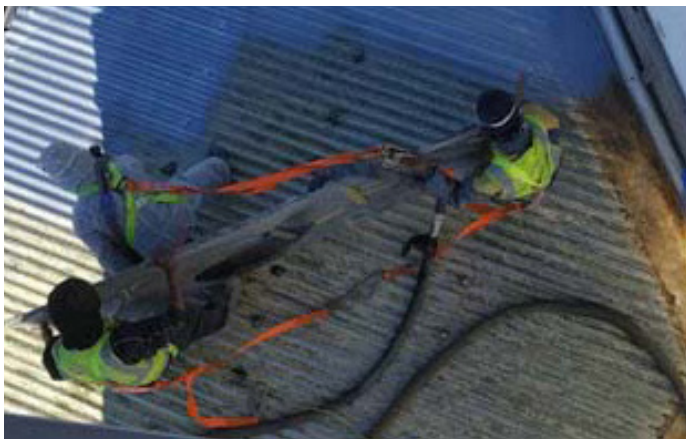
SALT SA LUNAR TELESCOPE

Waterproofing and corrosion protection of the SALT dome and surrounding roof areas was needed.

QuickSeal Reflect Silver is a highly reflective elastomeric coating incorporating unique reflective chemistry. It provides all the benefits of VIP`s spray applied, instant curing, seamless membranes with the additional advantage of reflecting the sun's heat and UV rays. Reduces the heat transfer of the suns rays into the building lowering internal temperatures and reducing cooling costs.

QuickSeal Reflect Silver is a spray applied, instant curing flexible membrane that can be built to any thickness in one application.

Due to its unique chemistry it can be applied in virtually any environmental condition.



Location	Sutherland, Western Cape, South Afica
Client	SA Lunar Telescope - SALT
Applicator	a.b.e. Construction Chemicals
Area	210m²
Construction Date	2017
VIP System	QuickPrime 1K PU QuickPrime 2K Epoxy SF21 QuickSeal MP500 Refl ect Silver

MEGA RESERVOIR

Kahramaa – Qatar General Electricity and Water Corp. Kahramaa – Qatar General Electricity and Water Corp. required a fast curing surface coating system with high mechanical abrasion resistance, no VOC contents, no cracking and stable features for waterproofing of the complete roof of the strategic potable water tanks in Qatar. Application with 1:1 heated, high-pressure, plural component equipment (Graco XP-2). The selected system was the root resistant approved QuickSeal PP350 (aromatic), 2-component poylurea system and a solvent free primer, QuickPrime, 2K EP SF.

Processing took place in 4 steps:

1. Concrete was prepared and cleaned of any residuesthat may have an affect to bonding
2. Surface was primed and adhesion improved
3. Aromatic Polyurea QuickSeal applied with heated, high pressure spray equipment

The complete process of surface-preparation and application of base coat for 120.000m² was successfully completed in 4 months.

Location	Qatar
Client	Kahramaa – Qatar Gen Electricity and Water Corp
Contractor	China Ghazebo - JV
Area	120.000m²
Construction Date	2019
VIP System	VIPSHIELD QuickPrime EP SF QuickSeal PP-350

VIPSHIELD PROJECT REFERENCES

RAS COOLING PLANT AL REEM ISLAND

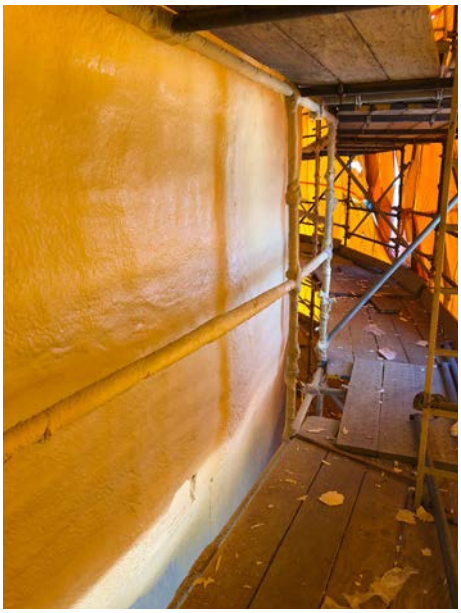
Cylingas is a fabrication company based in Dubai and was established back in 1974, they fabricated the TES tanks used on the Shams District Cooling Plant. The plant is being built for Tamouh Investments for their Reem Island Communities.

Foam Insulation along with a Polyurea coating is becoming a more accepted way of insulating TES tanks as the system provides both insulation and a flexible seamless waterproofing membrane.

VIPSHIELD was chosen by the client as it provided extended warranties and a maintenance free solution.

Application steps:

1. Surface repair & preparation
2. Application of Spray Foam
3. Application of 2mm QuickSeal PP350 - hot spray applied polyurea
4. Application of one coat of QuickCoat PU Topcoat



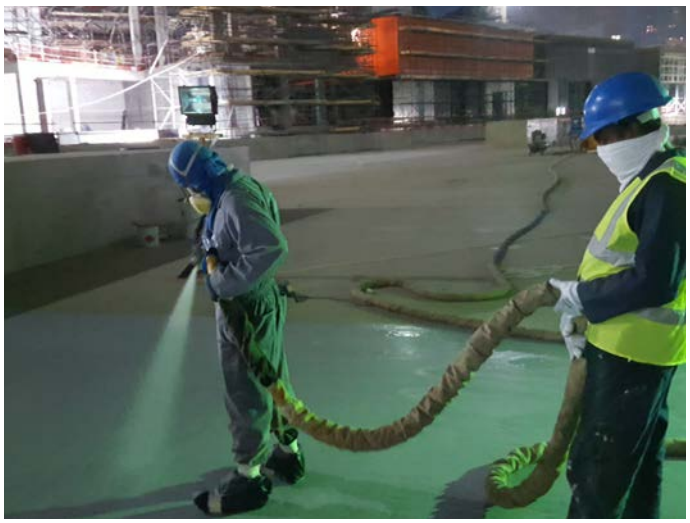
Client	Cylingas Company LLC
Location	Abu Dhabi, United Arab Emirates
Applicator	Petrichor LLC
Area	13.000 m²
Construction Date	2021
VIP System	VIPSHIELD Foam QuickSeal PP350

MALL OF SHARJAH

Major construction projects such as shopping centres have many stake holders requiring cost effective, efficient, long term solutions to protect their assets.
Failing waterproofing systems present enormous challenges to rectify and in many below ground applications you only get one chance at doing it properly.

The owners of the Sharjah Mall required a rapid application “set and forget” solution for their below ground waterproofing needs including the below slab and pile head waterproofing and below ground car park waterproofing.

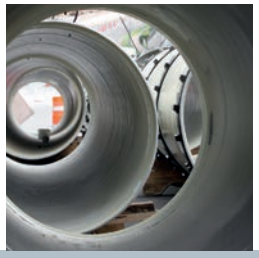
Installation of the SubSeal systems saved significant application time over traditional sheet membranes and allowed back filling and following trades to begin within hours of the installation of the SubSeal System being completed.



Client	Mall of Sharjah / MAF
Consultant	Khatib Al Alami
Coating Contractor	Helios Contracting LLC
Project	Waterproofing of pile caps and sub floor areas
Area	125.000 m²
Construction Date	2017
VIP System	VIPSHIELD Podium Deck PC

VIP´S FAST TRACK COATING SOLUTIONS:
TOUGH, SUSTAINABLE & COST EFFECTIVE.

EN-SH 05/2022



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