



2019 | English

WATER & WASTEWATER LINING SOLUTIONS

INDUSTRIAL LININGS

WATERPROOFING

FLOORING

CONSULTANCY

PROTECTING YOUR ASSETS

From waste water plants suffering the effects of hydrogen sulphide degradation to potable water storage facilities or de-salination plants VIP has a substrate repair and protection system that will provide a cost effective long term solution to your asset protection needs.

Existing waste water facilities can be quickly and cost effectively refurbished with a VIP system adding many years of maintenance free service to a degraded asset. New waste water treatment facilities can be permanently protected against Hydrogen Sulphide attack eliminating future concrete degradation.

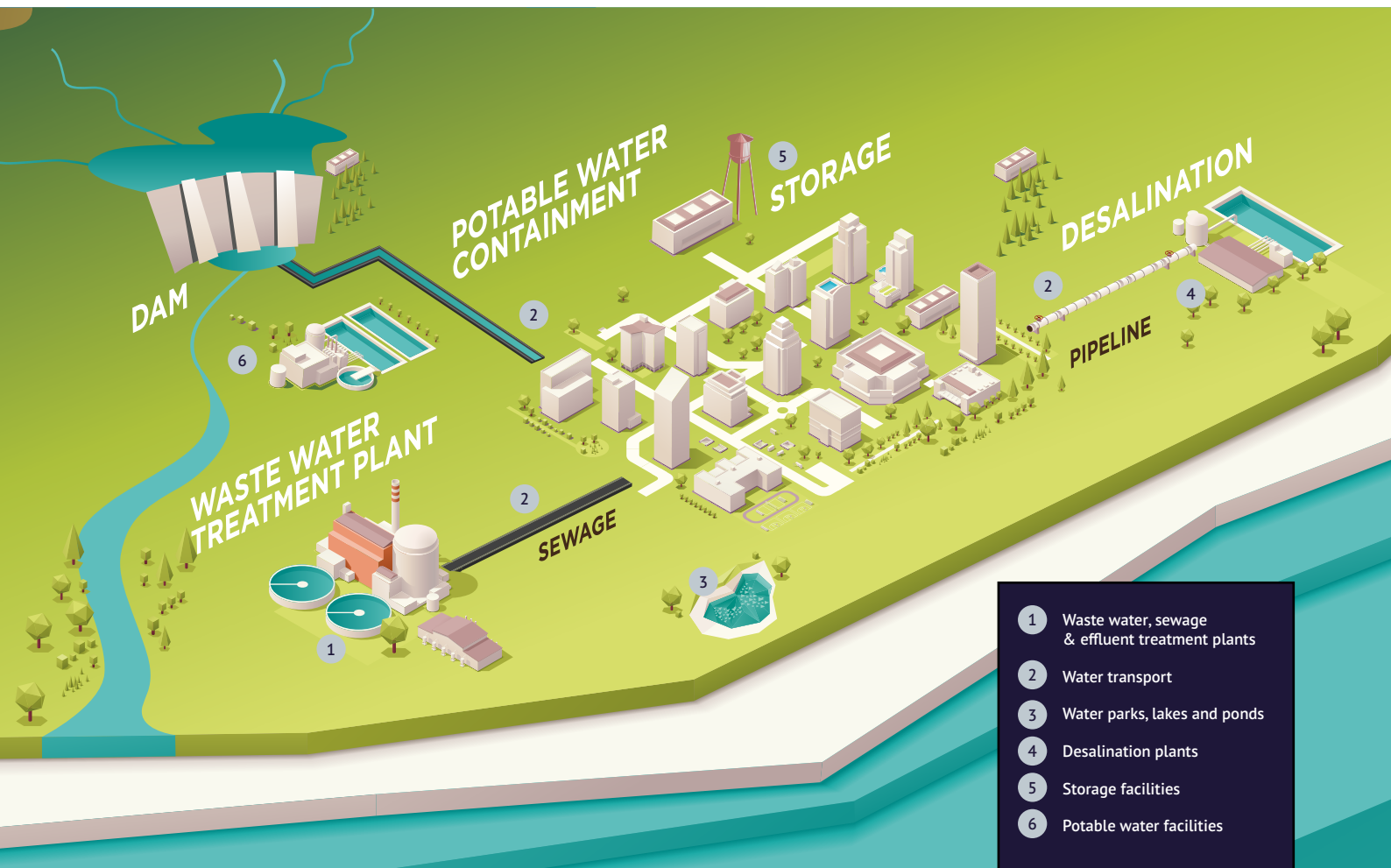
Cracked concrete substrates can be quickly and effectively sealed using a VIP flexible membrane solution in conjunction with VIP crack and joint repair solutions. Water loss can be eliminated from failing substrates.

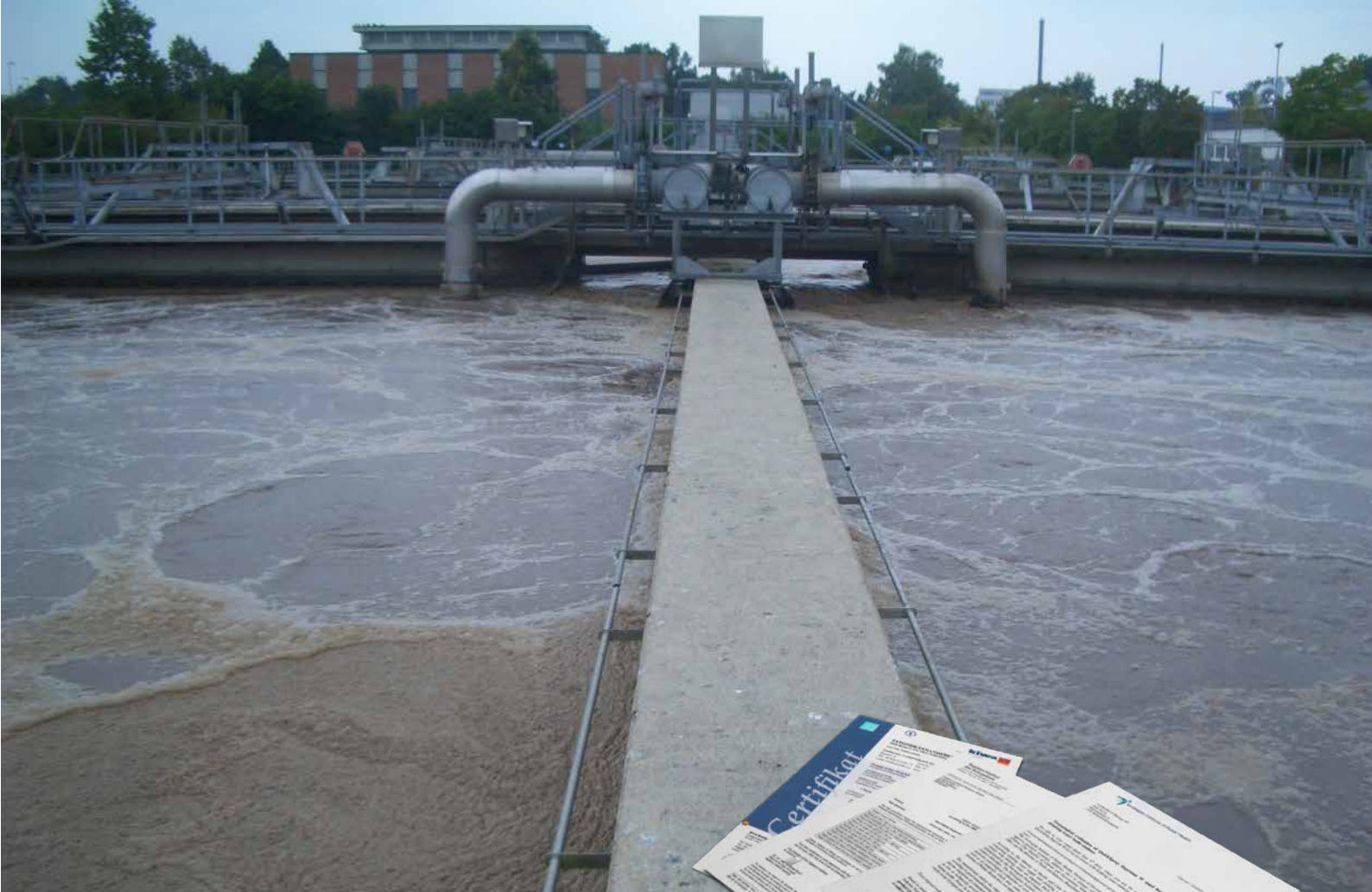
VIP's integrated solution approach ensures total product compatibility guaranteeing you many years of leakage free and maintenance free substrate protection.

VIP's fast track coating solutions: Though, sustainable & cost effective

Water - a valuable global resource

- Water is one of our key resources and often described as the oil of the 21 century
- The earth's water resources are immense but only 2,5% of these are freshwater
- 70% of all freshwater is locked in ice caps
- Since 1970 freshwater resources have decreased by 35%
- At the same time the demand for freshwater has increased by approximately 40%
- 800 million humans do not have reliable access to drinking water
- 3,5 million people die each year due to polluted water
- Water shortages have the potential to negatively impact on worldwide economic growth unless significant investments are made in water infrastructure and technology
- It is estimated that 400 000 litres of fresh water is required to manufacture 1 automobile
- In the US alone it is estimated that 140 - 160 billion USD needs to be invested in water assets before 2020 to maintain minimum requirements





VIP SOLUTIONS

From humble beginnings in 1983 as a trading company specializing in automotive sealants and adhesives Voelkel Industrie Produkte (VIP) has grown into a Global specialist in high performance industrial adhesives and surface protection systems.

VIP's innovative technologies provide superior surface protection against abrasion, impact, corrosion and chemical attack. In addition our new technology, instant curing spray applied membranes offer significant benefits and advantages over traditional chemical and water containment solutions.

VIP is proud to support application partners in more than 50 countries around the World operating in the Mining, Oil and Gas, Water and Waste Water, Power and Construction industries. VIP's products are well supported with experienced technical services



ranging from project and product specification through to on-site project consultancy and VIP's world class training program continues to expand our network of "Approved Applicator" partners.

VIP's comprehensive portfolio is constantly refined and added to via our on-going commitment to research and development. VIP has solutions for substrate repair and preparation, priming and pre-treatment, high performance surface protection solutions, superior aesthetic finishes and specialized application equipment.

At VIP we aim to be more than just a product supplier. Our aim is to be a total solution provider for your asset protection needs.

CONSULTANCY

- Customizable solutions from the manufacturer
- Experienced technical specification services
- On-site technical supervision services
- Manufacturer trained and approved applicator network
- Extensive internal and external test results, certificates and approvals.
- Short down times

TECHNOLOGY

- Completely integrated „system solutions“
- Very fast spray applied application process
- Seamless – no welding, gluing or joining
- Excellent bond to the substrate
- Instant curing (10 – 20 seconds) and very rapid re-use times
- Impact, abrasion and chemical resistant
- High elongation and high tensile strength
- Excellent crack bridging properties
- Formulated for application in extreme environments

VIP - YOUR SOLUTION PROVIDER

DESIGN AND SPECIFICATION



PROJECT ADVICE

Design and Specification

VIP works directly with you and your consulting team to analyse your problem and design and specify a fully integrated solution.

APPLICATION



SOLUTION IMPLEMENTATION

VIP Approved Applicator Network

The best products in the world can only perform to their best if they are applied correctly. VIP train and support a network of „VIP Approved Applicators“ to ensure that our system solutions are applied correctly and provide you with the best possible results.

QUALITY CONTROL AND INSPECTION

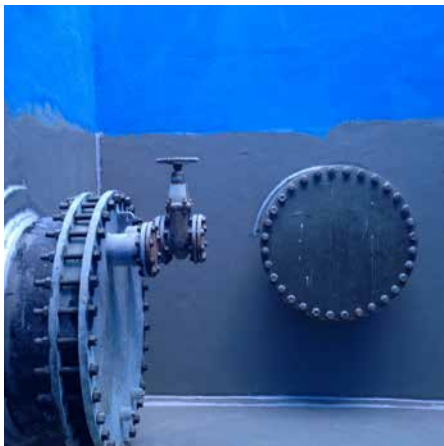


TECHNICAL SERVICES

Quality Control

All VIP Approved Applicators complete extensive daily Q/A documentation to ensure that VIP's application protocols are adhered to. In addition VIP can provide on-site technical, supervisory and Q/A services.

LINING SYSTEMS OVERVIEW



Substrate Preparation Systems

- Concrete crack & spall repair materials
- Joint filling & repair materials
- Specialised concrete repair mortars

Features

- Self levelling and non sag versions
- VOC and solvent free
- Rapid curing even below in sub zero temperatures
- Easy to apply cartridge systems
- Moisture tolerant
- High tensile and elongation strength
- High MPA cured strength



Integrated Priming Systems

- Moisture tolerant primers
- Moisture barrier primers
- Impact resistant primers
- Submersion primers
- Elevated temperature primers

Features

- Excellent adhesion to concrete and steel
- Easy to use mixing ratios
- Solvent driven and solvent free options
- Spray and roller applied solutions
- Suitable for high moisture applications
- Suitable for vibration and impact applications
- Suitable for constant immersion



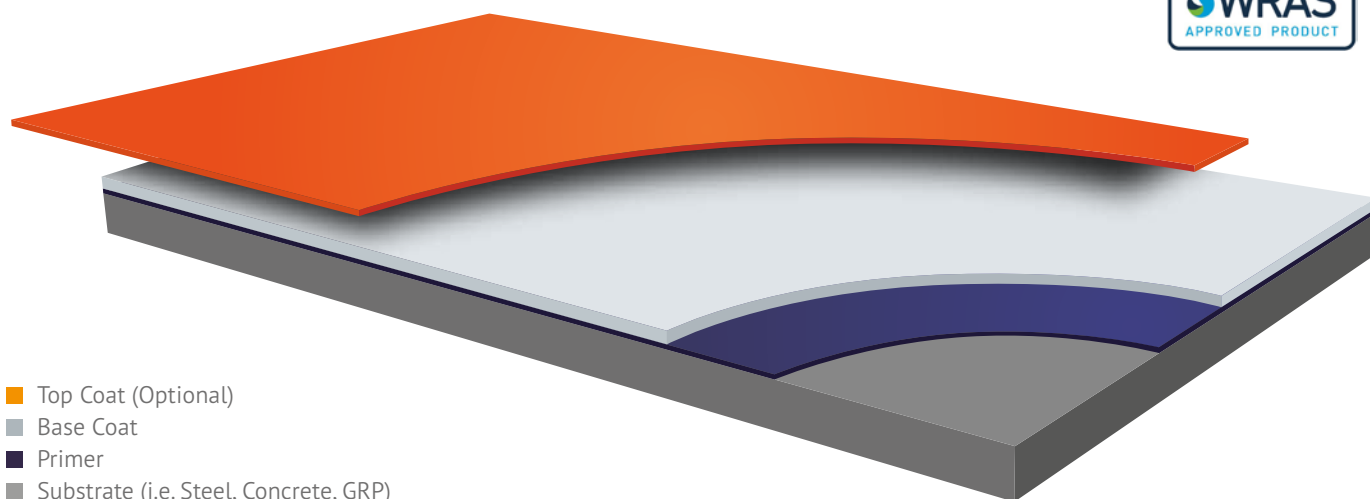
Protective Lining Systems

- Waterproof linings
- Abrasion resistant linings
- Chemical resistant linings
- Impact resistant linings
- Potable water linings
- Salt water protection linings
- Hydrogen sulphide protection linings

Features

- Spray applied, seamless and instant curing. Extremely fast re-use times
- Remain flexible over a large temperature range
- Excellent crack bridging characteristics
- Completely resistant to Hydrogen Sulphides
- Permanent and safe containment of chemicals
- 100% solids, solvent and VOC free
- Potable water approved solutions if needed

SYSTEM BUILD-UP



- Top Coat (Optional)
- Base Coat
- Primer
- Substrate (i.e. Steel, Concrete, GRP)



SELECTED PROJECT REFERENCES

POTABLE WATER TANK QATAR



Client	Ras Gas
Contractor	Hyundai Engineering & Construction Co.
Consultant	Parsons Brinckerhoff Int'l Inc (PB Power)
Coating Contractor	Hitech Projects, Doha
Project	Lining of Concrete Potable Water Storage Tanks
Area	28,800 sqm
Construction Time	June 2009
VIP System	QuickPrime 2K-Epoxy SF QuickSpray Supreme W

ARTIFICIAL POND & WATER FEATURE SHARM EL SHEIKH / EGYPT



Client	Concord El Salam Resort & Spa
Contractor	Batsi - (Batiment De Specialite Industriel)
Consultant	El Salam for touristic investment
Coating Contractor	Batsi
Project	Artificial Pond & Water Feature Linings
Area	5,200 sqm outdoor ponds
Construction Time	November 2010
VIP System	QuickSpray Industrial QuickFloor 500

DESALINATION PLANT LIMASSOL / CYPRUS



Construction	MEKOROT Enterprise
Contractor	Limassol Desalination Plant
Consultant	Orokia / Bitelman Ltd.
Coating Contractor	Polymer Group/ Eco&Logi
Project	Desalination Plant Tank Linings
Area	3,100 sqm
Construction Time	February 2013
VIP System	QuickPrime Epoxy SF QuickSpray Industrial W

SELECTED PROJECT REFERENCES

WASTE WATER TUNNEL TEHERAN / IRAN

Construction	Zharf Kar
Contractor	Zharf Kar
Consultant	Mahab Ghodss
Coating Contractor	Anticor Limited, Dubai
Project	Waste Water Tunnel
Area	90,000 sqm concrete tunnels and pipes
Construction Time	April - September 2010
VIP System	Quick Block, moisture barrier Quick Prime + Quick Fill, 2K Epoxy Primers Quick Spray Industrial



WATER & SEWERAGE BOARD BANGALORE / INDIA

Construction	-
Contractor	Indian Hume Pipe Co. Ltd
Consultant	BWSSB
Coating Contractor	TEVO Performance Coatings
Project	Water and sewerage board
Area	10,000 sqm
Construction Time	-
VIP System	Quick Block, moisture barrier Quick Prime + Quick Fill, 2K Epoxy Primers Quick Spray Industrial



HYDROELECTRIC POWER PLANT SANTA TERESA CUSCO / PERU

Construction	-
Contractor	GyM
Consultant	Luz del Sur / PDMxperts S.A.C.
Coating Contractor	KAAT S.A.C.
Project	Lining of Conduction Tunnel
Area	2,600 sqm
Construction Time	February 2015
VIP System	QuickBlock Li Moisture QuickPrime Epoxy SF QuickSpray Industrial Standard



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



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VIP is a leading solution provider of high performance surface protection systems. Our integrated system approach includes substrate repair and preparation products, priming and pre-treatment systems, high performance coatings and superior aesthetic finishes.



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