PRIMARY & SECONDARY CONTAINMENT LINING SYSTEMS
PROTECTING YOUR ASSETS

Corrosion, abrasion and chemical attack are constant threats to liquid containment assets. VIP’s primary containment substrate protection solutions provide superior protection of both steel and concrete tank assets.

Spray applied, seamless and instant curing our flexible membranes bond directly with the substrate permanently eliminating corrosion and chemical attack. Excellent impact and abrasion resistant properties provide superior substrate protection in tanks containing slurries and high solids waste materials.

Special chemical resistant formulas provide protection against chemical attack and yet still provide the seamless, rapid application advantages of our traditional protective membranes.

Unplanned or unwanted release of toxic or environmentally hazardous liquids can have disastrous consequences for the environment and for the company involved. VIP’s secondary containment liners provide a secure and reliable way to contain accidental spills and control of liquid materials.

VIP’s secondary containment liners can be spray applied directly to existing substrates or they can be applied to geotextile membranes for the sealing of earthen bunds.

VIP’s fast track coating solutions: Tough, sustainable & cost effective
VIP SOLUTIONS

From humble beginnings in 1983 as a trading company specialising 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

• Customisable 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.
• Reduced shut 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 works directly with you and your consulting team to analyse your problem and design and specify a fully integrated solution.

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.

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 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
- Submersion primers
- Elevated temperature primers

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

Protective Lining Systems

- Reinstatement of old concrete bunds
- Spray in place earthen bunds
- Quick erect temporary bunds
- Water & waste water tanks & pits
- Acid tank protection
- Oil tank corrosion protection
- Leaching ponds
- Tailings dams
- Water canals
- Desalination plants

Features
- Spray applied, seamless and instant curing. Extremely fast re-use times
- Permanent and safe containment of chemicals
- Long term resistance against corrosion
- Excellent resistance against abrasion (Slurry tanks)
- Remain flexible over a large temperature range
- Excellent crack bridging characteristics
- Completely resistant to Hydrogen Sulphides
- 100% solids, solvent and VOC free
- Potable water approved

SYSTEM BUILD-UP
SELECTED PROJECT REFERENCES

RECOATING OF IRRIGATION TANK
ABU DHABI / UNITED ARAB EMIRATES

Client: Abu Dhabi Municipality
Contractor: Bin Ham
Consultant: Dorsch Group Abu Dhabi
Coating Contractor: Anticor LLC, Dubai
Project: Recoating Irrigation Tank
Area: 800 m²
Construction Time: 2011
VIP System: Quick Prime (on steel surfaces)
Quick Prime / Quick Fill (on concrete surfaces)
Quick Spray Industrial

CONDENSATE TANK
UNITED ARAB EMIRATES

Client: BP / Petrofac
Contractor: -
Consultant: AMCE Inspection Group
Coating Contractor: Anticor LLC, Dubai
Project: Corrosion protection of tank base and lower internal walls
Area: -
Construction Time: September 2011
VIP System: QuickPrime 1K PU SF
QuickSpray Supreme HP

PRIMARY CONTAINMENT BUND AREA
ABU DHABI / UNITED ARAB EMIRATES

Client: Aldar Properties PJSC
Contractor: Aldar Laing O’Rourke
Consultant: Aldar Laing O’Rourke
Coating Contractor: APS Coating Systems
Project: Secondary Containment under fuel storage tanks
Area: 400 m²
Construction Time: October 2008
VIP System: QuickPrime 1K PU
QuickSpray Industrial
SELECTED PROJECT REFERENCES

SEA WATER DISCHARGE CULVERT
ABU DHABI / UNITED ARAB EMIRATES

<table>
<thead>
<tr>
<th>Client</th>
<th>Borouge Abu Dhabi</th>
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<tbody>
<tr>
<td>Contractor</td>
<td>Gogas / Granite Construction Co.</td>
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<td>Consultant</td>
<td>Tebodin Middle East Ltd.</td>
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<td>Coating Contractor</td>
<td>Petro Projects Group Est / Abu Dhabi, UAE</td>
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<tr>
<td>Project</td>
<td>Protection and sealing of concrete in Sea water discharge culvert</td>
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<tr>
<td>Area</td>
<td>11,000 m²</td>
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<td>Construction Time</td>
<td>February 2013</td>
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<tr>
<td>VIP System</td>
<td>QuickFill and QuickFill Express concrete crack repair systems QuickPrime 2K Epoxy SF21 QuickSpray Industrial</td>
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BUNDED AREAS UNDER TANKS
PORVOO / FINLAND

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<th>Client</th>
<th>Ashland Chemicals, Porvoo</th>
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<tr>
<td>Coating Contractor</td>
<td>TEKE OY, Valkeala</td>
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<tr>
<td>Project</td>
<td>Secondary Containment Areas under Chemical Tanks</td>
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<tr>
<td>Area</td>
<td>400 m²</td>
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<tr>
<td>Construction Time</td>
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<tr>
<td>VIP System</td>
<td>QuickFill crack and joint filing systems QuickPrime 2K Epoxy SF 21 QuickSpray Industrial</td>
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LININGS FOR STEEL TANKS
BRAZIL

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<th>Client</th>
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<td>VALE</td>
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<td>Coating Contractor</td>
<td>MAREMA QUIMICA DO BRASIL (MAREMA COATINGS)</td>
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<td>Project</td>
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<td>Area</td>
<td>475-500 m² per tank</td>
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<td>Construction Time</td>
<td>2017 ongoing</td>
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<tr>
<td>VIP System</td>
<td>QuickPrime QuickSeal PP 350</td>
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</table>
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.

Head Office

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