



2016 | English

# MILITARY & DEFENCE PROTECTIVE LINING SOLUTIONS

INDUSTRIAL LININGS

WATERPROOFING

FLOORING

CONSULTANCY

# PROTECTING YOUR ASSETS

The VIP Military and Defence range of products have been specifically formulated to provide superior protection on many levels. Corrosion and abrasion protection is vital for the longevity of defence assets but to have a product that can provide these “standard” protective functions and also provide blast mitigation and sound deadening properties opens up a multitude of uses for VIP’s unique protection systems.

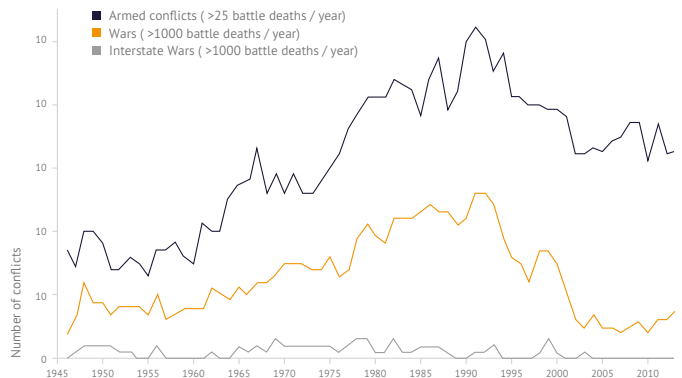
Recent world events has seen a significant increase in the deployment of military hardware into harsh environmental conditions that challenge traditional paint like corrosion and abrasion coatings. VIP’s unique spray applied and instant curing coatings are flexible with extremely high tensile and elongation properties. They can withstand very high abrasion, flexing and impact forces over a very wide temperature range without cracking or peeling.

In addition VIP’s Military and Defence products include blast mitigation linings that help to mitigate blast shock waves protecting occupants inside buildings and military vehicles.

Superior abrasion, impact and corrosion protection AND blast mitigation and sound deadening properties all in a seamless, instant curing, spray applied membrane that will never crack or peel. That’s a superior VIP Solution.

## Armed conflicts worldwide

NUMBER OF ARMED CONFLICTS AND WARS  
1946 - 2014



Source: Uppsala Data Conflicts Program / Peace Research Institute Oslo Armed Conflict Datasheet

## 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.
- Faster return to service 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.



# BLAST MITIGATION SOLUTIONS



## Reliable Protection

The VIP QuickSpray Supreme UP – “Ultimate Protect” is a premium, high performance elastomeric formulation designed to absorb blast shock waves and capture blast fragmentation and shrapnel. This unique formulation provides incredible strength and elongation properties far in excess of standard polyurethane lining systems. QuickSpray Supreme UP displays excellent elongation properties and very high tensile strength giving it the ability to “stretch” and absorb shock waves whilst still resisting rupturing. QuickSpray Supreme UP can significantly increase the structural integrity of nearly all construction types including steel, composites, timber, concrete block and clay brick.

In the event of a blast, a structure protected by VIP’s “Supreme UP” lining will flex and absorb the blast forces holding the structure together and allowing occupants to escape to safety. The system can be applied to new or existing structures, and saves lives and property.

## QuickSpray Supreme UP Benefits



Reduces blast fragmentation and shrapnel



Absorbs the shock wave of the explosion – reduces deadly “percussion”



Increases the structural integrity of the structure / substrate – Building remains standing

## TYPICAL USES

- Ammunition storage bunkers / containers
- Mobile Command & communication centres / structures
- Mobile “in field” transportable accommodation buildings
- Floors of personnel carriers
- Embassy buildings and perimeter security walls
- Wastewater infrastructure, critical power supply installations, fuel storage facilities
- Court houses, prisons, public buildings
- Private residences

### Exemplary Illustration



# VIP INDUSTRIAL COATINGS

## VIP experiences & competences

Besides Blast Mitigation solutions VIP offers a wide range of high performance protective linings suitable for a many military and defence applications.

Flooring and roofing solutions for defence barracks, ships and high speed pursuit craft, ammunition storage facilities, and military maintenance facilities such as aircraft hangers and workshops.

Primary and secondary containment solutions for fuel farms, waste pits for workshops right through to protective coatings used in the interior and exterior of military personnel carriers and ambulances. Flexible, hard wearing protective linings for mobile command centres, mobile living quarters and the list goes on ...

- PROTECTIVE LININGS FOR CARS & VEHICLES
- FLOORING & ROOFING SYSTEMS
- PRIMARY & SECONDARY CONTAINMENT LININGS
- ABRASION & IMPACT RESISTANT LININGS
- CORROSION & CHEMICAL RESISTANT LININGS
- WATERPROOFING
- SUBSTRATE PREPARATION SYSTEMS
- CONSULTANCY & TECHNICAL SERVICES





# SELECTED PROJECT REFERENCES

## COATING OF BUSES FOR BRAZILIAN DEFENCE FORCES CASCAVEL / BRAZIL

Client	MASCARELLO GROUP
Consultant	-
Coating Contractor	Marema Parts
Project	Protective floor coating
Area	500 buses
Construction Time	2015/2016
VIP System	QuickSeal PP 350



## PROTECTIVE INTERIOR COATING OF HUMVEES ABU DHABI / UAE

Client	NIMR AUTOMOTIVE LLC
Consultant	-
Coating Contractor	NIMR AUTOMOTIVE LLC
Project	Protective interior coating
Volume	Order-based production / several dozen vehicles each month
Construction Time	OEM Supply Partnership
VIP System	QuickSpray



## ACCOMMODATION BUILDINGS SAADIYAT ISLAND / ABU DHABI / UAE

Client	Code Contracting
Consultant	Surbana Intl. Consultants
Coating Contractor	Ayadam LLC, Dubai
Project	Waterproofing solution for wet areas
Area	21.000 sqm
Construction Time	October 2013
VIP System	QuickSeal LP 300



## BLAST MITIGATION LINING EMIRATES AIR LINE LONDON / UK

Client	Borouge Abu Dhabi
Consultant	Tebodin Middle East Ltd.
Coating Contractor	Polyurea Protective Coating Keighle
Project	Blast mitigation lining
Area	800 sqm
Construction Time	July 2013
VIP System	QuickSpray Supreme UP



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



EN-BM 02-16 / DESIGNLABS GMBH



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



### VIP Coatings International GmbH & Co. KG

Frauenstr. 31 · D-82216 Maisach / Munich · Germany  
Phone +49 8141 35549-0 · Fax +49 8141 35549-99  
[www.vipcoatings-intl.com](http://www.vipcoatings-intl.com)



**Arsan Yapı İnş. Taah. Tuz. San. ve Paz. Tic. Ltd. Şti.**  
Etiler Mah. Adnan Menderes Bulv. Sami Kaya İş Merkezi K:5  
D:28 Muratpaşa / ANTALYA  
Tel : +90 242 248 83 54 [www.arsanyapi.com](http://www.arsanyapi.com)

A M E R I C A S · A F R I C A · A S I A · E U R O P E · M I D D L E E A S T