



THIS IS SEAL FOR LIFE

Liquid Epoxies



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About Us

Seal For Life is a world leading manufacturer for Pipeline Coatings and Field Joint Solutions. We have coated thousands of miles of pipelines across the globe.

- ☒ We have the most specified ARO coating products for HDD applications globally
- ☒ Our operations span across diverse environments, including Upstream, Midstream, and Downstream sectors
- ☒ We are recognized globally with approvals by many major operators in the industry
- ☒ Our company prioritizes Health, Safety, and the Environment (HSC), making us the best choice for environmentally conscious projects

INDUSTRY STANDARDS AND REGULATIONS

Epoxy Market Segments



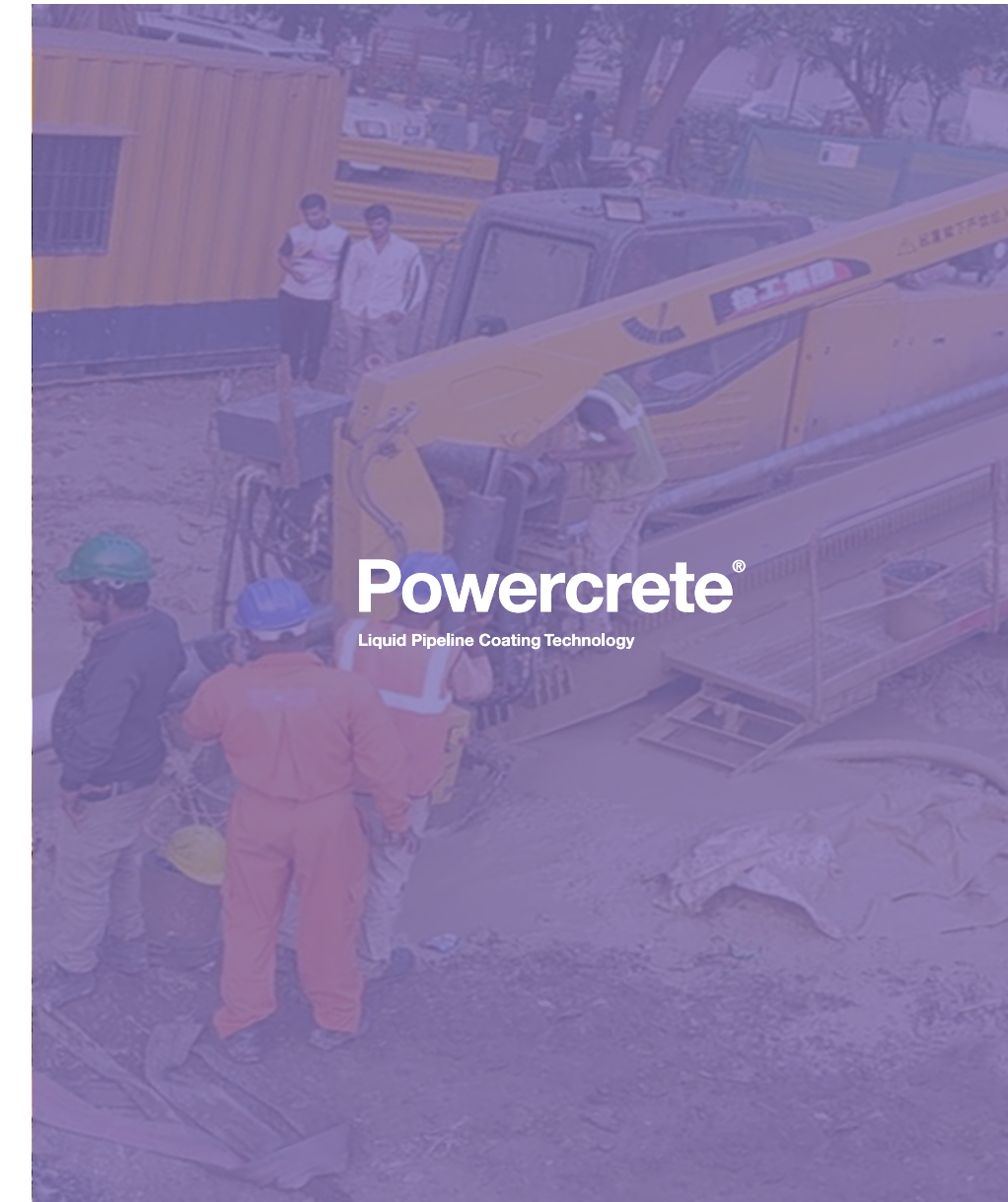
Houston Centre

INTRODUCING OUR STATE-OF-THE-ART SEAL FOR LIFE LIQUID EPOXY PLANT:

- ☒ Production capacity: Three million gallons per year
- ☒ Excellent service: Prompt response and customer satisfaction
- ☒ R&D lab: Advancing polymer chemistry and innovation
- ☒ Rapid formulation to launch: meeting customer demands
- ☒ Shortest lead times: Fastest distribution
- ☒ Operational excellence: Highest quality manufacturing
- ☒ Regulatory compliance: Meeting all requirements for safety and quality
- ☒ Dedicated full-time staff



AN EXAMPLE OF OUR PRODUCT IN ACTION



PROJECT NAME	MAHANGAR GAS LTD
YEAR	MARCH 2021
MARKET	GAS PIPE LINE
LOCATION	INDIA
SCOPE	HDD Project using a new technology for extremely aggressive soil and boring condition
DIAMETER	8" OD
PRODUCT	POWERCRETE DD

LIQUID EPOXIES

ARO Selection

POWERCRETE is the number one brand for Abrasion Resistant Overlay (ARO) and mechanical protection products for Horizontal Directional Drill (HDD) applications. With POWERCRETE, Seal For Life provides the best selection of HDD coatings and protective systems in the industry.

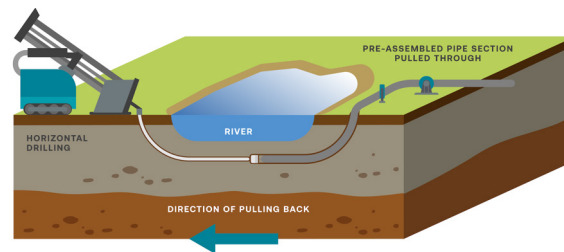
- ☒ What makes POWERCRETE® unique is that it is a zero VOC and zero isocyanate
- ☒ POWERCRETE® has unmatched toughness even at extreme conditions
- ☒ The result is an extreme proven durability that can withstand even the toughest environments

POWERCRETE DD - THE NO1 ARO COATING

- ☒ Pioneering product POWERCRETE DD
- ☒ The most widely specified and used liquid-cured product
- ☒ With hundreds of successful projects around the world



The single most important decision in relation to mechanical protection after the study is the type of abrasion protective coating and mechanical protection. Base on this information and the requirements for the ARO coating are determined.



POWERCRETE IS THE NUMBER ONE ARO COATING FOR HDD APPLICATIONS

- ☒ Best Gauge Resistance
- ☒ Best Abrasion Resistance
- ☒ Best Impact Resistance
- ☒ New 4:1 Mix Ratio

SELECTION OF ARO COATING FOR HDD PROJECTS

When selecting the best ARO for HDD needs, the engineering firm in charge of the project carries out an investigative procedure to generate site characterization information.

THE INVESTIGATION SHOULD COVER SEVERAL FACTORS

- ☒ The obstacle to be crossed
- ☒ Passive features like geological factors
- ☒ Topographical and hydrographical data
- ☒ Geotechnical aspects

LIQUID EPOXIES

ARO Selection

- ☒ Shape condition of the borehole
- ☒ Crossing geometry
- ☒ Drilling conduct
- ☒ Pipe diameter and construction
- ☒ Sequencing for drilling
- ☒ Subsurface voids
- ☒ Site integrity
- ☒ Drilling timing
- ☒ Drilling mud

Cathodic Shielding

- ☒ Powercrete DD is a Non-Shielding Coating Technology
- ☒ Powercrete DD is designed to not interfere with the ICCP system of the pipe
- ☒ The coating has been classified as fail-safe coating technology
- ☒ Allows electron current to travel through the film
- ☒ Design to operate in combination with the FBE layer as Mechanical Protection



OUR PRODUCTS

POWERCRETE Polymer Concrete Epoxy – ARO Product Line

POWERCRETE DD	Top ARO coting in the market. Solvent free polymer concrete to protect mainline pipe coatings in HDD operations.	<ul style="list-style-type: none"> • Formulation designed to support the toughest soil conditions. • Best gouge and impact resistance in its category. • Sets new standards in pipeline protection.
POWERCRETE DD 410	NEW ARO solvent free epoxy coating. Based on the legacy formulation performance for a more controlled installation.	<ul style="list-style-type: none"> • Withstands the most challenging soil conditions during HDD applications. • Faster curing and ease of application characteristics.
POWERCRETE J	ARO Field Joint Coating with exceptional corrosion protection characteristics.	<ul style="list-style-type: none"> • Excellent mechanical properties for directional drill applications. • Design for service up to 150°F (65°C). • Corrosion barrier protection for direct to metal applications.
POWERCRETE R65F1	Ceramic modified fast-curing epoxy coating. Design for mechanical and corrosion protection applications.	<ul style="list-style-type: none"> • Excellent field joint coating for fast paced applications. • Excellent FBE repair system. • Rapid return to service (1 hour for trenching).
POWERCRETE R95	Fast Curing Ceramic Epoxy Novolac hybrid epoxy design for service temperatures up to 95°C (200°F) and as mechanical protection as ARO coatings.	<ul style="list-style-type: none"> • Excellent performance as FJC. • Compliant with most international standards. • Excellent performance as ARO coating for HDD projects.
POWERCRETE R150	High Temperature Service Epoxy Novolac coating design for service temperatures up to 150°C (300°F).	<ul style="list-style-type: none"> • High Temperature Service up to 150°C. • Excellent Mechanical protection characteristic, design for ARO applications. • Corrosion protection immersion grade epoxy.

FEATURES & BENEFITS

- ☒ All Powercrete Products are formulated to function as ARO Coatings
- ☒ A 'no-shielding' technology compatible with cathodic protection systems
- ☒ Environmentally compliant formulations
- ☒ Easy to install, design for fast production
- ☒ Technical support
- ☒ Approved applicator training available
- ☒ Consistent glass transition temperature
- ☒ Compatible with all mainline coatings (FBE, CTE, PUR, etc)

APPLICATIONS

- ☒ Abrasion Resistant Overlay
- ☒ Field Joint Coating
- ☒ Bends and Fittings
- ☒ Mainline Coating
- ☒ High Temperature Service
- ☒ Rehabilitation of Pipelines Solution

Applications

	PC DD PC DD 410	PC J	PC R65F1	PC R95	PC R150
ARO COATING HDD	✓	✓	✓	✓	✓
BENDS AND FITTINGS		✓	✓	✓	✓
HIGH TEMPERATURE SERVICE					✓
FAST CURE			✓	✓	
FIELD JOINT COATING		✓	✓	✓	✓

Compliance to International Standards

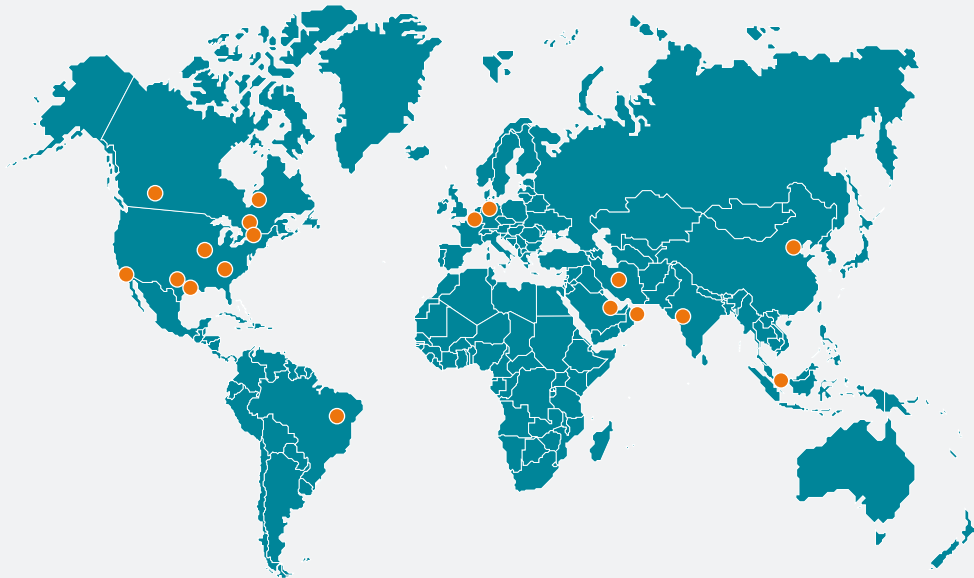
	PC DD PC DD 410	PC J	PC R65F1	PC R95	PC R150
CSA Z 245.30	FC3 (FBE PRIMER)	PASS FC3	PASS – FC1	PASS	PASS FC2
ISO 21809-3	N/A	N/A	N/A	PASS	PASS
EN10289	N/A	N/A	N/A	PASS	PASS
AWWA C210	N/A	PASS	N/A	PASS	PASS

WE'RE HERE TO HELP

Get In Touch For More Information

We look forward to hearing from you. If you wish to contact us, please send us an email at info@sealforlife.com

Powercrete®
Liquid Pipeline Coating Technology



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Industries