



High Build Epoxies

About Us

We are the world leading manufacturing for Pipeline Coatings and Field Joint Solutions. We have coated literally thousands of miles of pipelines across the globe.

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

Houston Centre

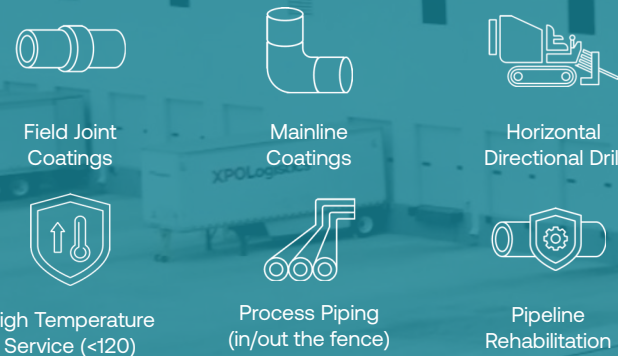
INTRODUCING OUR STATE-OF-THE-ART LIQUID EPOXY PLANT:

- ☒ Production capacity: Three million gallons per year
- ☒ Excellent service: Prompt response and customer satisfaction
- ☒ R&D lab: Advancing polymer chemistry and innovation
- ☒ Agile operation: Efficiently meeting customer demands
- ☒ Strategic advantage: Serving regional customers effectively
- ☒ Operational excellence: Highest quality manufacturing
- ☒ Regulatory compliance: Meeting all requirements for safety and quality
- ☒ Dedicated full-time staff



INDUSTRY STANDARDS AND REGULATIONS

Epoxy Market Segments



AN EXAMPLE OF OUR PRODUCT IN ACTION



PROJECT NAME	TRANS MOUNTAIN
YEAR	JAN 2022 TO JAN 2023
MARKET	CRUDE PIPE LINE
LOCATION	BRITISH COLUMBIA, CANADA
SCOPE	The critical infrastructure was built as a fast passed project requiring optimal corrosion protection. Canusa HBE was selected to meet the stringent performance criteria
DIAMETER	36" OD
PRODUCT	HBE 95 BG & HBE FLX

LIQUID EPOXIES

Field Joint Coatings

- Field joints are vulnerable to corrosion as they are welded and left uncoated, making them a critical area in a pipeline
- Compatibility issues between factory-applied or mainline coatings and field joint protection materials make field joints the weakest point in the pipeline
- CANUSA Liquid Epoxies offer a solution by providing field joint coating systems that offer long-term corrosion protection, superior adhesion to the substrate, and reliable long-term performance

OUR PRODUCTS ARE FORMULATED TO ENSURE AS A MINIMUM

- Compatibility with factory or mainline coating systems
- They can be applied in extreme environmental conditions
- Rapid application to reduce field joint cycle times
- Cost effectiveness
- Operator and applicator safety
- Compliance with local legislation
- Coatings in conjunction with CP

Canusa High Build Epoxies

Canusa CPS High Build Liquid Epoxy Line of products is an exceptional two-component epoxy coating systems designed specifically for pipelines around the globe.

- Outstanding Cathodic Disbondment Results
- Consistent Performance in High Temperature
- Best Flexibility and Impact Resistance
- Adhesion to Steel and OEM Coatings

CANUSA EPOXY SYSTEM

- Fast Cure Time
- Easy to apply without sagging or dripping
- Friendly in all weather and conditions
- Best Performance

LIQUID EPOXIES

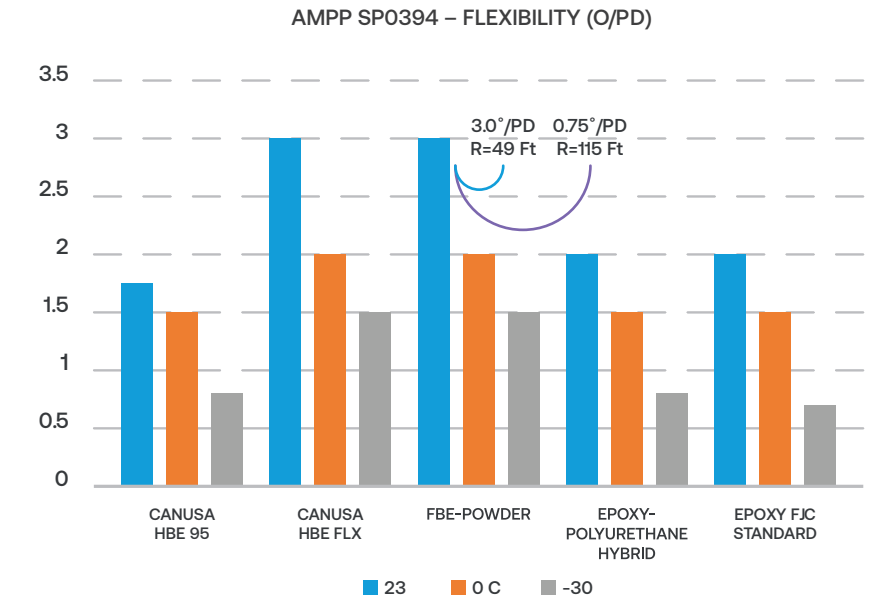
Flexibility

CANUSA has created a new epoxy formulation that delivers exceptional flexibility and corrosion protection. The system is based on epoxy polymer modified with core-shell rubber nanoparticles.

- Improved Flexibility
- Cathodic Disbondment
- Tensile properties
- Fracture toughness
- Glass transition temperature

Solutions

- Excellent adhesion to well-cleaned steel
- Good chemical resistance
- Low oxygen permeability
- Non-shielding - works with cathodic protection (CP)
- It allows the passage of current in case of bond failure
- Tough
- Excellent penetration resistance
- Good impact resistance
- Good abrasion resistance



OUR PRODUCTS

CANUSA CPS High Build Epoxy - Product Line

HBE 95	The best performing field joint coating in the market.	<ul style="list-style-type: none"> Versatile formulation Spray and Brush grade Three speed of cure
HBE HT	Cutting edge high temperature epoxy coating.	<ul style="list-style-type: none"> TMax of 150°C Spray and brush grade options Meets most stringent standards
HBE FLX	Match flexibility and performance of FBE, game changing technology.	<ul style="list-style-type: none"> High flexibility > 3.0 °/PD Meets all industrial standards ARO approved coating
HBE OS	Best performing and fastest curing technology. Design for of-shore applications and fast deployment.	<ul style="list-style-type: none"> Tmax of 120°C Can be forced cure immediately after application Spray and brush grade

FEATURES & BENEFITS

- ☒ No shielding technology compatible with cathodic protection systems
- ☒ Environmentally compliant formulations
- ☒ Easy to install, designed for fast production
- ☒ Technical support
- ☒ Approved applicator training available
- ☒ Consistent glass transition temperature
- ☒ Compatible with all mainline coatings (FBE, CTE, PUR, etc)

APPLICATIONS

- ☒ Field Joint Coating
- ☒ Bends and fittings
- ☒ Mainline coating
- ☒ High temperature service
- ☒ Rehabilitation solution
- ☒ Abrasion Resistant Overlay

Applications

	HBE 95	HBE HT	HBE FLX	HBE OS
FIELD JOINT COATING	✓	✓	✓	✓
BENDS AND FITTINGS	✓	✓	✓	✓
HIGH TEMPERATURE SERVICE		✓		✓
ARO COATING HDD	✓		✓	
FAST CURE OFF-SHORE				✓

Compliance to International Standards

	HBE 95	HBE HT	HBE FLX	HBE OS
CSA Z 245.30	PASS FC1	PASS FC2	PASS – FC3	PASS-FC2
ISO 21809-3	PASS	PASS	PASS	PASS
EN10289	PASS	PASS	PASS	PASS
AS 4822	PASS	PASS	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@canusacps.com

 **CANUSA-CPS**
Corrosion Protection & Sealing

