

# FIELD SERVICES

*A leader in field joint anti-corrosion coating*



For over 30 years, Aegion Coating Services has engineered, designed, built and serviced its own fleet of coating equipment. Aegion Coating Services is a leader in field joint anti-corrosion coating with more than **two million field joints coated worldwide**. Our current services include the application of single and dual layer fusion bond epoxy (FBE), Polyurethane field joint infill (PUF) and solid polyurethane infill (SPU).

With more than two million field joints coated worldwide and one of the world's largest fleets of field joint coating systems, Aegion Coating Services has successfully completed projects all over the world, including in Asia, Africa, the Middle East, North and South America, Mexico and at the Black Sea, North Sea and Mediterranean Sea.

## Field Joint Coating (Onshore/Offshore)

- Field joint FBE coating
- Liquid epoxy and polyurethane
- Multi-layer PP and PE flame spray
- 3-layer wide sheet polypropylene
- Solid polyurethane (SPU)
- GatorBack™ concrete joint infill

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## Gatorback™ Concrete Joint Infill

Aegion Coating Services's Gatorback™ system (P450-8.0 IS) is a proprietary system formulated without the use of aromatic hydrocarbons, which are commonly used in competitive systems. The elimination of hydrocarbons allows for a safer and environmentally-friendly system. It is typically applied over each girth weld area of concrete weight coated offshore pipelines. Features of Gatorback™ include:

- Removable mold with outer reinforcing wrap does not peel off
- Porous outer wrap for quick saturation of the foam without shielding of cathodic protection
- Specially foam designed for immersion service which does not contain CFC or HCFC blowing agents
- PSI-P450-80IS foam is formulated without hydrocarbon solvents
- Two-component system mixed on a 1:1 ratio by volume
- Readily pumped by standard plural component piston pumps
- Foam quickly fills mold to achieve the compressive strengths necessary for stinger loads
- Chemical components stay in solution and do not separate
- Each shot results in a consistent joint
- Non-flammable foam components
- Health and safety standards are easily met
- Two outer surfaces resist damage during pipeline lowering and sub-sea activities
- Simple, quick installation for short cycle times

## Trench Breaker System

The Aegion Coating Services Trench Breaker system is a foam breaker paired up with specially formulated foam and prevents cathodic protection shielding. The system is comprised of two parts that are mixed and sprayed by using nitrogen pressurized tanks that deploy the material into the trench at the appropriate ratio. The Trench Breaker system:

- Extends the life of the pipe by discouraging corrosion
- Prevents cathodic shielding
- Reduces negative environmental impact
- Averages 95% yield
- Minimizes down time
- Uses no mechanical parts
- Requires just one person to apply
- Fits in the back of a pickup truck
- Can be applied by a contractor or a Aegion Coating Services technician



### System Specifications

	P 450 "A"	P 450 "B"
<b>Specific Gravity</b>	1.20	1.00
<b>Mix Ratio</b>		
By volume	1.00	1.00
By weight	55%	45%
<b>Reactivity (72° F Lab Mix)</b>		
Cream		15-25
Gelation		40-50
Tack free		45-65
Free rise density		6.0-7.0 #/ft <sup>3</sup>

### Typical Physical Properties\*

<b>Density (as tested):</b>	ASTM D 2856	10.1 #/ft <sup>3</sup>
<b>Compressive strength:</b>	ASTM 1621-00	>300 psi @ 50%
<b>Cell content:</b>	ASTM D2856	
Closed cell		<5%
Open cell		>85%

An ISO 9001:2008 Certified Company

## Rehabilitation

Aegion Coating Services, an industry leader in anti-corrosion coatings, is proud to bring quality and service to the rehabilitation market by partnering with 3M to provide Scotchkote™ 323 two-part liquid epoxy for pipe rehabilitation.

# AEGION<sup>®</sup> | COATING SERVICES

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