

# Crude Oil Transportation

## Superior Linings



# For over 30 years Carboline has been an industry leader in high temperature crude oil storage linings.

With over half a million gallons sold  
and in service, our linings provide  
long term performance.

There is a reason why Carboline linings are widely specified  
and customers around the world continue to trust us when  
performance is critical.

AT CARBOLINE WE DON'T JUST SELL YOU  
WHAT IS ON THE SHELF, WE PROVIDE YOU  
THE SOLUTION THAT YOU NEED.

CAPY 30180 US GAL  
CAPY 25131 IMP GAL  
CAPY 114244 L



# Superior performing linings are critical in crude oil transportation due to the extreme exposures and temperatures.

Water and condensing water vapor from crude oil storage create an extremely corrosive environment inside a railcar. High performance linings are crucial in order to protect the railcar and increase its longevity. Carboline offers single coat, fast cure, linings that have excellent thermal shock resistance and can withstand crude oil service temperatures up to 350°F.



## Plasite® 4550 & 4550 S

Flake filled, 100% solids premium novolac epoxy lining that is an excellent choice for lining crude oil carriers because it can withstand service temperatures up to 350°F and has exceptional thermal shock resistance.

- › Superior resistance to sour crude
- › Resistant to acid/water mixture (ph 2-3)
- › Thermal shock resistance from -40°F to 350°F
- › Excellent impact resistance
- › Over 15 years of proven history in crude oil service
- › Single coat application
- › Can be sprayed with airless or plural component equipment
- › Cures down to 35°F

## Phenoline® 1205

Glass flake filled novolac epoxy lining that can withstand service temperatures up to 250°F and has excellent thermal shock resistance.

- › Excellent resistant to sour crude
- › Resistant to acid/water mixture (ph 2-3)
- › Over 20 years of proven history in crude oil service
- › Single coat application
- › Can be sprayed with conventional or airless equipment

	PLASITE 4550 & 4550 S	PHENOLINE1205
THERMAL SHOCK RESISTANCE	Superior	Excellent
MAXIMUM SERVICE TEMPERATURE (CRUDE OIL)	350°F	250°F
SINGLE COAT THICKNESS	20-25 mils	15 mils
FLEXIBILITY	Excellent	Good

# GLOBAL COATINGS LEADERS™

RIGHT PEOPLE · RIGHT PRODUCTS · RIGHT LOCATIONS



## GLOBAL MANUFACTURING PLANTS

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AIRES, ARGENTINA  
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**JAPAN – AMAGASAKI**  
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**MALAYSIA – JOHOR**  
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**VENEZUELA – CARACAS**  
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