



# Corrosion Solutions for Harsh Environments

*Protective Coatings & Linings for the Petrochemical Industry*





Corrosion. It eats away at your tanks, your pipes, your very foundations. Day by day, you watch your valuable infrastructure and equipment disappear down the drain.

It's a constant battle for those of us in the petrochemical refining, processing, storage and transportation businesses. You've got corrosive acids, caustics, and solvents. You've got heat. And you've got better things to do than chase corrosion. Ergon knows firsthand.

To combat corrosion in its own petrochemical handling facilities, Ergon looks to its ErgonArmor division for reliable, time-tested surface protection and restoration solutions.

### **HIGH-PERFORMANCE CORROSION PROTECTION SOLUTIONS**

Novocoat linings are 100% solids, contain no VOCs and can handle temperatures up to 350°F (176°C) in oil and gas applications such as fractionation tanks, transport pipelines, and hot and sour crude tanks. These spray applied linings offer quick return-to-service—as little as 24 hours, depending upon substrate temperatures—with no costly and time consuming post-cure required.

Independent cathodic disbondment, impact, wet adhesion and Shore D hardness testing over 28-day observation tells the story: Novocoat linings are exceptionally well-suited for hot crude storage and transport pipeline applications.

Novocoat pipe OD coating systems withstand the high friction and wear of horizontal direction drilling (HDD) operations, while Novocoat pipe ID lining systems reduce head loss and turbulence in natural gas, fuel lines and more.

Better adhesion and surface tolerance give Novocoat coating systems a leg up on marginally prepared surfaces, such as girth welds and other repairs. They form a strong bond to even the most challenging substrates, like fusion bonded epoxy (FBE).

Looking for a tank lining that meets API-652 performance specifications for reinforced thick-film linings for extended storage tank inspection intervals? Novocoat SC3300 Series Linings check all the boxes.

For primary and secondary chemical containment, the exceptionally tight cross-linking of PENNCOAT™ 401 Lining gives it unparalleled resistance to aggressive solvents and acids, including methanol and oleum.

Ask about our other corrosion protection solutions for molten sulfur pits, sulfuric acid regeneration towers and pump tanks, neutralization pits, concrete restoration and resurfacing, and machine setting grouts.

Give us your worst. We'll give you our best.

# Guide to ErgonArmor Corrosion Protection Solutions for Petrochemical Facilities



Hot crude storage  
(up to 350°F/176°C)



Chemical process tankage  
and pipelines



Transport tankers  
and pipelines



Fuel storage



Primary and secondary  
containments for acids,  
solvents and caustics



Molten sulfur pits and sulfuric  
acid regeneration plants

Chemical Process and Refinery	ErgonArmor Applications
Pipe and Leak Repair	Novocoat R1920 Quick Repair Compound, Novocoat EP3920 Machinable Grade, Novocoat SP2000W Series, Novocoat SP2000WHB Series, Novocoat SC3300 Series, Novocoat SC5400 Series
Concrete Protection and Repair	Novocoat SC1100 Concrete Primer, Novolite Repair Mortar, PENNTROWEL™ N13 Surfer, PENNTROWEL™ 250 Surfer, TUFCEM™ Silicate Concrete
Chemical Resistant Linings	Novocoat SP2000W Series, Novocoat SP2000WHB Series, Novocoat SC3300 Series, Novocoat SC5400 Series, PENNCOAT™ Vinyl Ester Linings, PENNCOAT™ 401 Lining
Abrasion Resistant Coatings	Novocoat SP2000AR (ARO), Novocoat SC5400 Series, SC3100 Ceramic Coatings
Metal Repair Products	Novocoat EP3920 Machinable Grade, Novocoat Ceramic Carbide 4910, Novocoat SP3910 Adhesive Paste/Caulk, Novocoat R1920 Quick Repair Compound, Novocoat SC3300 Series, Novocoat EP5720 Ceramic Paste
Cooling Towers	Novocoat ER2000 Series Elastomeric Liquid Epoxy, Novocoat EP2920 Flexible Paste, Novocoat SP2000W Series, Novocoat SP2000WHB Series, Novotower SP2000R
Heat Exchanger Repair	Novocoat EP5720 Ceramic Paste, Novocoat SC3300 Series, Novocoat EP3920 Machinable Grade, Novocoat SC5400 Series
Machine Setting Grout	TUFCEM™ Epoxy Grout, PENNCHEM™ Novolac Grout, PENNCHEM™ Vinyl Ester Grout
Tank	ErgonArmor Applications
Chemical Resistant Linings	Novocoat SP2000W Series, Novocoat SP2000WHB Series, Novocoat SC3300 Series, Novocoat SC5400 Series, PENNCOAT™ 331/331 MR Lining, PENNCOAT™ Vinyl Ester Linings, PENNCOAT™ 401 Lining
Elevated Temperature Linings	Novocoat SC3300 Series, Novocoat SC5400 Series, PENNCOAT™ 401 Lining, TUFCEM™ Silicate Gunite, Acid brick linings set with K14™ Mortar
Molten Sulfur Pits	TUFCEM™ Silicate Concrete, TUFCEM™ Silicate Gunite, Acid brick set with CORLOK™ B Mortar over PACMASTIC™ 325 Membrane
Metal Repair Products	Novocoat EP3920 Machinable Grade, Novocoat Ceramic Carbide 4910, Novocoat SP3910 Adhesive Paste/Caulk, Novocoat R1920 Quick Repair Compound, Novocoat SC3300 Series, Novocoat EP5720 Ceramic Paste
Tank Chimes	Novocoat EP2920 Flexible Paste
Tank Bottom Protective Coatings	Novocoat SP2000W Series, SP2000WHB Series, Novocoat SC3300 Series, Novocoat SC5400 Series
Pipeline	ErgonArmor Applications
Pipe and Leak Repair	Novocoat R1920 Quick Repair Compound, Novocoat EP3920 Machinable Grade, Novocoat SP2000W Series, Novocoat SP2000WHB Series, Novocoat SC3300 Series, Novocoat SC5400 Series
OD Coatings	Novocoat RI80 DTM Epoxy, Novocoat SC2200 Rapid Set Pipe Coating, Novocoat Storage Coat 938
ID Coatings	Novocoat SP2000W Series, Novocoat SP2000WHB Series, Novocoat SC3300 Series, Novocoat SC2200 Lining
Girth Welds	Novocoat SC2200 Rapid Set Pipe Coating, Novocoat SC3300 Series, Novocoat SP2910 Adhesive Paste/Caulk

## About ErgonArmor

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You've built it. Now let ErgonArmor protect it.

We provide advanced surface protection solutions for a diverse range of harsh environments.

With ErgonArmor, you can be assured that our depths and strengths stand behind the solutions we offer. Let us be the technical resource you turn to for answers in protecting and maintaining the investment you have made in your facility.

ErgonArmor is a division of Ergon Asphalt & Emulsions, Inc., and a subset of the Ergon, Inc., corporation. Ergon began its legacy of delivering dependable, high-performing products with exceptional service more than 60 years ago. Today, the company encompasses business segments including Refining & Marketing, Specialty Chemicals, Asphalt & Emulsions, Oil & Gas, Midstream & Logistics, Construction & Real Estate, and Corporate Services.

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### ***Ordering Information***

For additional information, prices, or to place an order, please contact your ErgonArmor sales representative. If you do not know the name of your sales representative, call **877-982-7667**.