

Water & Wastewater Solutions

Pipeline Protection





Water & Wastewater

Pipeline Coatings, Polyclad Protection, 100% Solids Technologies

Polyclad™ 777 100% Solids Structural Polyurethane

Ultimate protection for the exterior of small and large diameter water transmission pipe, and related infrastructure including; fittings, specials and welded joints. For below or above grade pipelines including 36" to 144" diameters. This is rapid cure technology suitable for OEM throughput lines or when required field applied blast and coat projects. Variable setting times are available and manufactured to suit spray equipment and handling time requirements of the end-user.

Specifier Preferred

Specified for steel and ductile iron pipelines for maximum design life. Exceeds AWWA C-222 Standards for polyurethane technology. This technology is well proven in global pipe markets. When utilized in conjunction with cathodic protection it offers owners the maximum corrosion protection available, which correlates to the ultimate design life performance.

- > Performance
- > 50 – 100 year design life
- > 40 years of service history in very corrosive environments
- > Specified for constant immersion service
- > No VOC's – solvent free
- > High abrasion resistance
- > +3,000 psi adhesion
- > Low permeability
- > Resistance to damage during installation
- > Cold temperature cure (-40°F)
- > Formulated with no abrasive fillers (minimal pump wear)
- > Up to two hour recoat time for repairs

100% solids polyurethane can be applied in thickness of 15 to 125 mils. Applied with heated plural component spray equipment. The mixing ratio is 1:1 with both A & B with the same viscosity, which ensures a proper mix and eliminates any potential for off-ratio applications.

Polyclad™ 767 PW – 100% Solids Structural Polyurethane

A cousin of the Polyclad 777, with the exception that it is formulated for potable water lining applications. It is ANSI/NSF 61 approved for pipelines, water storage tanks and related infrastructure.

Specified for AWWA C-222 Polyurethane Standard for Pipelines.

Carboguard® 1207 –Polyamido-Amine Epoxy

Ultra-durable solvent-free coating for use on steel or concrete substrates subject to severe impact and physical abuse. Ideal for penstocks, power facilities, dam gates, etc. Where maximum abrasion is required for piping and related infrastructure.

- > For maximum abrasion resistance
- > Can be applied up to 250 mils
- > Excellent immersion resistance
- > Self-priming

Polyclad™ – 100% Solids Structural Polyurethane Wastewater Lining 757 WW

Specified for AWWA C-222 Polyurethane Standard for Pipelines.

Plasite® 4500/4501 – 100% Solids Premium Epoxy Coating

This is a flake-filled high performance coating designed for a wide range of lining applications including; potable water for piping and tanks conforming to ANSI/NSF Standard 61 for drinking water components, a broad range of chemicals such as fuels, salts, many acids, and some solvents.

Specified for AWWA C-210 Epoxy Standard for Pipelines.

- > High impact resistance
- > Single-coat applications up to 60 mils
- > Can be applied by single component airless spray equipment
- > Excellent water immersion resistance



POLIBRID 705 is a Drinking Water Component Classified by Underwriter's Laboratories Inc.® in accordance with ANSI/NSF Standard 61-1996-7P59



POLIBRID 705 complies with ANSI/AWWA C210-92 Pipe Inside/Outside Protective Coating Standards

Mining equipment covers the range of equipment that is used in the mining industry for the extraction and handling of various types of minerals and ores worldwide. Equipment used in the industry includes extracting, washing, conveying, crushing, screening, loading and other specialized gear. Related earth digging and earth moving equipment are other large sub industries. Products used in mining include the following:

- > Amalgamators, various kind of rock and other drills
- > Mining related transport equipment
- > Breakers, cutters, pulverizers, concentration equipment
- > Washing equipment
- > Manufacturing conveyors, feeders, ore crushers, screening
- > Floatation equipment
- > Material handling equipment, loading machinery

Material selection is the most important general form of corrosion prevention. Choosing the correct material based on the environment decreases the amount of corrosion and lengthens the span of the equipment. Organic coatings will react differently depending on the environment to which they are exposed. Alkyd resins are oil-based coatings that have excellent adhesion to poorly prepared surfaces, but are not chemically resistant. They are suitable for dry exterior uses only. Consequently, there are material selection choices to be made. We can help with engineered corrosion protection options.

Other OEM “Fine Finishing” Protection Systems

Direct-to-Metal High Gloss Polyurethane OEM Finishes - Automotive Quality

Carbothane 8815

Carbothane 8815 is a fast dry, high gloss, high build, two component polyurethane coating. Carbothane 8815 exhibits the excellent dry times and handling characteristics required by Original Equipment Manufacturers. This coating has outstanding hardness, adhesion and resistance to: impact, marring, abrasion, chemicals and staining.

- > Direct-To-Metal (DTM)
- > High build, high gloss
- > Excellent chemical resistance
- > Excellent abrasion resistance
- > Very Fast Dry – 90-120 minutes to handle at 24°C/75°F
- > Ambient air or force cure with conventional or infrared ovens
- > Application by conventional or airless spray, HVLP, Electrostatic or plural component spray

Carbothane 8812

This coating has outstanding hardness, adhesion and resistance to: impact, marring, abrasion, chemicals and staining. Carbothane 8812 is recommended as a direct to metal finish coat* or as a finish coat over properly primed substrates. Typical applications include air compressors, propane tanks, trailer chassis and frames, valves, pumps, waste water treatment plant equipment, agricultural equipment, hazardous material storage buildings and general industrial equipment.

- > Direct-To-Metal (DTM)
- > High build, high gloss
- > Excellent chemical resistance
- > VOC compliant – 3.3 pounds per gallon as supplied
- > Very Fast Dry – 90-120 minutes to handle at 24°C/75°F
- > Ambient air or force cure with conventional or infrared ovens
- > Application by conventional or airless
- > Excellent abrasion resistances spray, HVLP, Electrostatic or plural component spray



GLOBAL COATINGS LEADERS™

RIGHT PEOPLE · RIGHT PRODUCTS · RIGHT LOCATIONS



GLOBAL MANUFACTURING PLANTS

**CARBOLINE COMPANY
GLOBAL HEADQUARTERS**
2150 SCHUETZ ROAD
ST. LOUIS, MO 63146 USA
PH: +1-314-644-1000
WWW.CARBOLINE.COM

**ARGENTINA –
BUENOS AIRES**
EINSTEIN 1095
PARQUE INDUSTRIAL OKS
GARÍN PROV. DE BUENOS
AIRES
ARGENTINA
PHONE: 54-3327-44-2222
FAX: 54-3327-44-2223

AUSTRALIA – BRISBANE
7 PRODUCTION AVE
ERNEST JUNCTION
QUEENSLAND 4214
AUSTRALIA
PHONE: +61 7 3287 0222
FAX: +61 7 5594 9093

CANADA – TORONTO
95 SUNRAY STREET
WHITBY, ONTARIO L1N 9C9,
CANADA
PHONE: 905-430-3333
FAX: 905-430-3056

CHINA – DALIAN
HOU SHI CUN,
DA WEI JIA ZHEN
JIN ZHOU DISTRICT
DALIAN, CHINA 116110
PHONE: 86-411-8789-8441,
8442, 8443, 8444
FAX: 86-411-8789-8445

INDIA – CHENNAI
605, TOWN CENTRE II
ANDHERI KURLA ROAD
MAROL, ANDHERI (EAST)
MUMBAI 400 059
INDIA
PHONE: 91-22-28500321
FAX: 91-22-28500323

INDONESIA – JAKARTA
MENARA SATU, BULEVAR
KELAPA GADING LA3 NO.1,
7FL, SUITE 706.
KELAPA GADING PERMAI,
JAKARTA 1420
INDONESIA
PHONE: +62 21 29375692
PHONE: +62 21 29375693
FAX: +62 21 29375696

ITALY – ALGHERO
VIA MILANO 150
20093 COLOGNO MONZESE
(MI), ITALY
PHONE: 3902-25 3751
FAX: 3902-25 37560

JAPAN – AMAGASAKI
WAKURA BUILDING
1-5, 1-CHOME, FUKAGAWA
KOTO-KU, TOKYO, JAPAN
PHONE: 81-3-3643-4501
FAX: 81-3-3643-2951

MALAYSIA – JOHOR
400 ORCHARD ROAD #06-15
ORCHARD TOWERS
SINGAPORE 238875
PHONE: 65-6235-6001
FAX: 65-6733-6525

NEW ZEALAND – TAURANGA
91-111 OROPI ROAD
GREERTON
TAURANGA
NEW ZEALAND
PHONE: +64 7 5411 221
FAX: +64 7 541 1310

NORWAY – LIERSTRANDA
P.O. BOX 593
3412 LIERSTRANDA, NORWAY
PHONE: 47-32-857300
FAX: 47-32-857301

**PUERTO RICO –
SAN LORENZO**
URB. APONTE #5
SAN LORENZO, PUERTO RICO
00754
PHONE: 787-736-4221
FAX: 787-736-53133

SAUDI ARABIA – DAMMAM
DAMMAM, INDUSTRIAL
CITY 1
P.O. BOX 1050
KINGDOM OF SAUDI ARABIA,
31431
PHONE: +966 3 847 3044
FAX: +966 3 847 3689

**SOUTH AFRICA –
JOHANNESBURG**
8 CRESSET ROAD
MIDRAND INDUSTRIAL PARK
CHLOORKOP 9
1624

SOUTH AFRICA
PHONE: 27-11-2545500
FAX: 27-11-310-2872

SOUTH KOREA – BUSAN
43-1, JINYOUNG-RI
JINYOUNG-EUB
KIMHAE-CITY, 621-800
KYOUNGSANGNAMDO, KOREA
PHONE: 82-55-343-6441/5
FAX: 82-55-343-6414

THAILAND – BANGKOK
1/11 BANGCHAN
INDUSTRIAL ESTATE
SOI-SERI-THAI 54,
SERI-THAI ROAD,
KANNAYAO, BANGKOK 10230
PHONE: +662 906 3042-3
FAX: +662 906 3044

TURKEY – BURSA
ALI OSMAN SONMES
CAD. NO:4
BURSA, DOSAB 16369
TURKEY
PHONE: 90-224-261-0537

UAE – DUBAI
P.O. BOX 3034
DUBAI, UAE
PHONE: 971-4-347-0460
FAX: 971-4-347-0242

USA – DAYTON
95 AIRPARK VISTA BLVD.
DAYTON, NV 89403
PHONE: 775-246-0760
FAX: 775-230-8859

USA – GREEN BAY
2122 ANGIE AVENUE,
BUILDING 7, SECTION 2
GREEN BAY, WI 54302
PHONE: 920-437-6561 X4208
FAX: 920-469-0358

USA – LAKE CHARLES
2425 FRUGE STREET
LAKE CHARLES, LA 70601
PHONE: 337-205-8410
FAX: 337-439-5296

USA – LOUISA
321 DUKE ST.
LOUISA VA 23093
PHONE: 540-967-5119
FAX: 540-967-5120

VENEZUELA – CARACAS
URBANIZACION INDUSTRIAL
"EL TIGRE"
AVENIDA PRINCIPAL,
GALPÓN "H"
VALENCIA EDO. CARABOBO
VENEZUELA
PHONE: 58-245-4000400
FAX: 58-245-5642011

**VIETNAM –
HO CHI MINH CITY**
ROOM NO.63B, 6 PHUNG
KHAC KHOAN ST.,
DAKAO WARD, DISTRICT 1,
HO CHI MINH CITY, VIETNAM
PHONE: [84] 08-3822-7684

