



An Aegion<sup>®</sup> Company

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## Internal Field Joint Coating History 1989 ~ 2012

LOCATION	PIPE SIZE	CUSTOMER(S)	FIELD-APPLIED ID COATING	FIELD-APPLIED OD COATING	NO. OF JOINTS	PRODUCT
<b>YEAR 2012</b>						
WA, USA	37.5"	Don Kelly Construction/Tulalip Indian Tribe	Akzo Nobel 726	Akzo Nobel 726 (base); Akzo 641 (ARO)	5	Potable Water
Dos Bocas, Mexico	36"	Swiber Offshore/PEMEX	3M 206 N		85	Shore approach for gas production line
Recife, Brazil <b>Under construction</b>	10", 46"	COEG/Petrobras	Wegpoxi		640	Water
Saudi Arabia	16"	CAT/Aramco	3M Scotchkote 162 HB		270	Water Injection
Musallim, Oman	12", 14"	Specialty Technical Services / PDO	3M Scotchkote 162 HB		1,200	Water Injection
Peru	12"	Tecna/Consortio Terminales	3M Scotchkote 162 HB		153	Loading Terminal Pipeline
Copiapo, Chile	24"	United Pipeline Systems/Hatch Engineering/Freeport McMoRan	3M 206 N		6,400	Desalinated Water
PA, USA	10"	Michels Construction / Shell	Dupont 7-2500		1,400	Injection water
FL, USA	36"	Michels/Jacksonville Electric Authority (JEA)	3M 6233	3M 6233 with PowerCrete J	168	Water

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PA, USA	10"	Flint Construction / Shell	Dupont 7-2500	Dupont 7 – 2500	475	Injection water
Jebel Ali, UAE	10", 16", 20"	McDermott/Aramco/KJO	3M Scotchkote 162 HB		180	Salt Water Injection
Jebel Ali, UAE	12"	McDermott/Aramco/ Safaniyah	3M Scotchkote 162 HB		108	Oil
Ubarana, Brazil Offshore	12"	Technip / PETROBRAS	Akzo 726	Akzo 726 and 641 (ARO)	1,600	Sea water injection
Atum-Xareu, Brazil Offshore	12"	Technip / PETROBRAS	Akzo 726		800	Sea water injection
WA, USA	37.5"	Don Kelly Construction/Tulalip Indian Tribe	Akzo 726	Akzo 726	72	Potable Water
Wasit, Saudi Arabia Offshore <i>Under Contract</i>	36"	Saipem Mediterranean Services, LLC / Saudi Aramco	SPC-9888	n/a	15,083	Wet sour gas
Wasit, Saudi Arabia Onshore <i>Under Contract</i>	36"	Snamprogetti/Aramco	SPC- 9888		2,500	Wet sour gas

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YEAR 2011						
WA, USA	37.5"	Don Kelly Construction/Tulalip Indian Tribe	Akzo 726	Akzo 726	220	Potable Water
Safaniyah, Saudi Arabia	12"	McDermott/Aramco	Copon 162 HB		569	Oil
Saudi Arabia	10", 16", 20"	McDermott/KJO	Copon 162 HB		4,318	Salt Water Injection
Ras Laffa, Qatar	08", 10", 12", 14", 16", 24"	Punj Lloyd/Qatar Petroleum	COPON 162 HB	N/A	563	Sea Water Fire Suppression
Hofuf, Saudi Arabia	18", 24", 36", 42", 56"	Sinopec/Aramco	ARC S4 HB	Jotun EP-F 1003 HW	1,032	Salt Water Injection
Saudi Arabia Abqaiq GOSP 3	12", 20"	Al Barghash/Aramco	COPON 162 HB	N/A	661	Salt Water Injection
YEAR 2010						
Jubail, Saudi Arabia	20", 38"	MISA/Aramco	ARC S4 HB	N/A	281	Wet Sour Gas
Saudi Arabia Offshore	16"	MDR/Aramco	COPON 162 HB	N/A	10	Salt Water Injection
Jebel Ali, UAE	16"	MDR/Aramco	COPON 162 HB	N/A	88	Salt Water Injection
Abu Ali Island, Saudi Arabia	10"	Zamil/Aramco	COPON 162 HB	N/A	2	Salt Water Injection
Canada	48"	Shell / Ledcor	SP8888	N/A	63	Water Line
Saudi Arabia Karan Field	20", 38"	McDermott / Saudi Aramco BI-10-00579 and BI-10-00580	ARC S4+HB	N/A	9,018	Wet Sour Gas

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YEAR 2009						
Saudi Arabia Uthmaniyah GOSP #8	16"	M.R. Kathlan/Aramco #6600019026 "Replacement of Electrical Equip. at Five S. Area GOSPS"	Corro-Coat EP-F 2004	Corro-Coat EP-F 1004	42	Injection Water
Jacksonville, FL, USA	20"	JEA / TB Landmark	Induron PE 70	3M 6233 / PowerCrete J	22	Water Main
Houston, TX, USA	30"	Williams Transco	Bar Rust 233H	PowerCrete DD	35	Natural Gas
Raymond's Yard, Kuwait	3", 30"	Raymond International/ SK Engineering/KOC	Corro-Coat EP-F 2004	Corro-Coat EP-F 1004	4,912	Injection Water
Mabrouk, Oman	12"	Galfar Engineering and Contracting/ PDO	Copon 162 HB	HSS	911	Produced Water
Guamere, Brazil	12"	IEC/ GDK/Petrobras	FBE	FBE	433	Injection Water
Saudi Arabia Berri Field	12"	Petroleum Marine Services Offshore/ ARAMCO#6600016418 (IK) Maintain Pot. Facilities Project	Copon 162 HB	Shrink Sleeves	593	Salt Water Injection

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<b>YEAR 2008</b>						
Khurais Field, Saudi Arabia	8"	Suedrohrbau/Aramco: #16122 – Khurais	Corro-Coat EP-F 2004	Corro-Coat EP-F 1004	217	Seawater Injection
Al-Hasa, Saudi Arabia	6", 14"	Earthtech/ Aramco: BI-10-03566 #6600018280 Aramco Bulk Plant Upgrade Project	Corro-Coat EP-F 2004	Corro-Coat EP-F 1004	477	Oily Water
Saudi Arabia Khurias Field	8", 10", 12", 14", 16", 18", 20", 24", 30", 36", 48", 60"	TEKFEN/ Snamprogetti/ Aramco  Khurais Water Injection Project (KUC)	Copon 162 HB and Corro-Coat EP-F 2004	n/a	1,975	Injection Water
Abu Ali Island, Saudi Arabia	30"	MACE/ Aramco #6600018643 W.I. Headers - Shore Line to Berri GOSP 3 and 4	Copon 162 HB	n/a	225	Injection Water
Jubail, Saudi Arabia	12", 16", 30"	MISA/ Global/Aramco  Berri W.I. & Qatif Crude (Subsea Skid Fabrication)	Copon 162 HB	n/a	137	Injection Water
Abu Dhabi	12", 16", 30"	Denholm Yam/ Global/ Aramco  Berri W.I. & Qatif Crude (Subsea Skid Fabrication)	Copon 162 HB	n/a	490	Injection Water
Oman	12", 14"	Galfar Engineering and Contracting/ PDO	Copon 162 HB	n/a	500	Produced Water
Paso Robles, CA, USA	8", 16", 24"	Whitaker Contractors/Paso Robles Water	FBE	FBE	173	Raw Water
Safaniyah, Saudi Arabia	24"	ENPPI/ Aramco Safaniyah Water Disposal Upgrade System	Copon 162 HB	n/a	82	Injection Water

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Brisbane, Australia	24"	Energy Works/ Brisbane Water	Copon 162 PW	PowerCrete D	275	Effluent Water
St. Charles, MO, USA	30 "	Michels Pipeline/ Peruque Creek Water District	Valspar 2000	Valspar 2000	34	Potable Water
Safaniyah, Saudi Arabia	8"	ARAMCO Safaniya Replacement of W.I.W. #714 Lateral EDR No. 00010664	Corro-Coat EP-F 2004	Corro-Coat EP-F 1004	43	Salt Water Injection
Saudi Arabia	30"	Al Robaya / ARAMCO Berri Causeway	Copon 162 HB	Corro-Coat EP-F 1004	2,099	Salt Water Injection
Hawtah, Saudi Arabia	12"	Al Robaya / ARAMCO Hawtah conversion  #6600014977 Hawtah Project	Corro-Coat EP-F 2004	Corro-Coat EP-F 2004	1,250	Salt Water Injection
Saudi Arabia	12", 16", 30"	Al Rashid Global Offshore / ARAMCO	Copon 162 HB	Shrink Sleeves	3,859	Salt Water Injection
Harmaliyah, Saudi Arabia	12" 16"	Al Barghash / ARAMCO  HRML WI & WS Header	Corro-Coat EP-F 2004	Corro-Coat EP-F 2004	938	Salt Water Injection

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<b>YEAR 2007</b>						
Bakuriani, Republic of Georgia	12", 24", 30"	ERAV/ Baku Tbilisi Ceyan Pipeline	Copon 162 HB	SPC 2888	52	Long Term Storage
Qurayyah, Saudi Arabia	56"	Snamprogetti / ARAMCO H02502 Aramco Qurayyah Arabia	Copon 162 HB	Paint	190	Salt Water Injection
Saudi Arabia Offshore  SFNY	24"	McDermott Offshore / ARAMCO  #6600015768 & #6600015769 Safaniyah	Copon 162 HB	Shrink Sleeves	62	Salt Water Injection
Fahdly, Saudi Arabia	8", 12"	Faisal M Qhatani / ARAMCO  Fahdly Pipeline FMQ Job #21200	Corro-Coat EP-F 2004	Corro-Coat EP-F 2004	14	Salt Water Injection
Khursaniyah, Saudi Arabia	8"	RHM / ARAMCO  #6600014977 Khursaiyah Field	Corro-Coat EP-F 2004	Corro-Coat EP-F 2004	311	Salt Water Injection
Abu Hadriyah, Saudi Arabia	8", 10", 12"	Bin Quarya / ARAMCO  #6600014918 BI-8290 Abu Hadriyah Oil Field	Corro-Coat EP-F 2004	Corro-Coat EP-F 2004	117	Salt Water Injection
NY, USA	8", 14", 30"	WDF, Inc. / Digester Gas	3M 206N FBE	P.E. SS	14	Digester Gas
Abu Ali Island, Saudi Arabia	10"	Al Barghash / ARAMCO Abu Ali Upgrade	Corro-Coat EP-F 2004	Corro-Coat EP-F 2004	483	Salt Water Injection
Abqaiq, Saudi Arabia	12"	Al Robaya / ARAMCO Hawtah  North Abqaiq Whip Flank	Corro-Coat EP-F 2004	Corro-Coat EP-F 2004	650	Salt Water Injection
Ecuador	18"	Conduto Ecuador S.A. / Blk 15 Petroleos Ecudaor	Ameron Amercoat 91	Tape	125	Hot 3 Phase Flow w/ CO2
Newark, NJ, USA	42"	Napp Grecco / Transco	Nap-Gard 7-2500	Nap-Gard 7-2500 and 7-2610 ARO	55	Natural Gas

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Katy, TX, USA	30"	Progressive Pipeline / Transco	Nap-Gard 7-2500	Nap-Gard 7-2500 and 7-2610 ARO	35	Natural Gas
Abqaiq, Saudi Arabia	12"	Al Robaya / ARAMCO North Abqaiq Whip Flank	Corro-Coat EP-F 2004	Corro-Coat EP-F 2004	600	Salt Water Injection
Kuwait	8", 24"	Raymond International / KOC	3M XC-6259	N/A	1,250	Salt Water Injection
Saudi Arabia	10"	Al Robaya / ARAMCO	Corro-Coat EP-F 2004	Corro-Coat EP-F 2004	155	Salt Water Injection
Bakersfield, CA, USA	42"	KSI / Chevron	Devoe Devmat 101	Lifelast Durashield 210	500	Hot Water 160°F
<b>YEAR 2006</b>						
Bakersfield, CA, USA	42"	KSI / Chevron Kern River Area Effluent Water Pipeline	Devoe Devmat 101	Lifelast Durashield 210	855	Hot Water 160°F
Saudi Arabia	10"	Al Shaiban / ARAMCO	Morton 10-8233	Corro-Coat EP-F 2004	82	Salt Water Injection
Kuwait	24" 36"	Kharafi EWDP / KOC	Morton 10-8233	Heat Shrink Sleeve	46	Effluent Salt Water
CA, USA	30"	SW Contractors/Otay Water District San Diego, CA/Ortiz Corp	NapGard 7-2500	NapGard 7-2500	75	Potable Water
Antofagasta, Chile	4", 12", 24", 30"	Techint / Fluor / Minera Escondida Ltd. Sulphide Leachate Proj. Custom Coating Pump Station Piping	Sherwin Williams DuraPlate UHS Liquid	Liquid Epoxy	419	Desalination Supply Water
Ecuador	16"	Conduto Ecuador S.A. / Repsol YPF water Oriente Block 15	Ameron Amercoat 91	Tape	424	Hot 3 Phase Flow w/ CO2
Kuwait	10", 24", 30", 36"	Kharafi National / KOC / Daelim	Morton 10-8233	P.E. SS	821	Effluent Water Injection



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<b>YEAR 2005</b>						
WI, USA	36 "	Michels Pipeline	Valspar 2000	Valspar 2000	57	Potable Water
Kuwait	36", 24", 16"	Kharafi / KOC	RHOM & HAAS 10-8233	Shrink Sleeve	46	Effluent Salt Water
Kuwait	10", 24", 30", 36"	Kharafi National / KOC / Daelim EWDP Proj. No.1186 Effluent Water Disposal Plants	Morton 10-8233	P.E. SS	1334	Effluent Water Injection
NY, USA	30", 16", 14"	WDF, Inc. / Digester Gas	3M 206N FBE	P.E. SS	54	Digester Gas
Ecuador	16 "	Conduto Ecuador S.A. / Repsol	Ameron Amercoat 91	Tape	499	Hot 3 Phase Flow w/ CO <sub>2</sub>
NE, USA	48"	Henkels & McCoy / Municipal Water for Omaha	Madison Chemical CorroPipe II PW	Powercrete	170	Potable Water
Hong Kong	18 "	Leighton Construction (Asia) / Hong Kong and China Gas Shenzhen to Tai Po Gas Submarine Pipeline	E. Wood Ltd – Copon 162 HB	Serviwrap Primer AB / Serviwrap M30 Tape/ High Density Polyurethane Foam	5,164	Natural Gas
Antofagasta, Chile	24 "	Techint / Fluor / Minera Escondida Ltd. Coloso Desalination Water Pipeline	Marincoat P.W. / Interline 925	Marincoat Flex 2310 TF Liquid Plural Component Polyurethane	8,698	Desalination Supply Water
Saudi Arabia	10 "	Tekfen Construction / Saudi Aramco	RHOM & HAAS 10-8233	3M 206N	343	High Pressure Injection Sea Water
Ecuador	16 "	Conduto Ecuador S.A. / Repsol	Ameron Amercoat 91	Tape	838	Hot 3 Phase Flow w/ CO <sub>2</sub>
TX, USA	16"	TKE Engineering / Duke Energy	SIGMA 7443	Carboline Bitumastic 300-M	135	Salt Dome Brine Water

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YEAR 2004						
TX, USA	16"	TKE Engineering / Duke Energy	SIGMA 7443	Carboline Bitumastic 300-M	70	Salt Dome Brine Water
NY, USA	30", 16", 14"	WDF, Inc. / Digester Gas	3M 206N FBE	P.E. SS	8	Digester Gas
Humble, TX, USA	30"	Progressive Pipeline / Transco	Valspar 2000	Liquid Epoxy SPC – By Others	6	Natural Gas
VA, USA	48"	Sunland Construction / Hampton Roads Sanitation District	Madison Chemical CorroPipe II Wasteliner AM Liquid	Valspar 2000 Slow	50	Effluent Sewerage
FL, USA	48"	Bradford Brothers / Jacksonville Electric Authority	Madison Chemical EC 120	Madison Chemical TX-15	60	Sewerage
CA, USA	24"	Cox & Cox / Lake Tahoe	3M 206N FBE	Tape	186	Potable Water
Ecuador	18"	Eden Yuturi JV / Oxy Int'l	Ameron 91	Tape	896	Hot 3 Phase Crude Flow w/ CO <sub>2</sub>
Ecuador	20"	Yanaquincha JV / Oxy Int'l	Ameron 91	Shrink Sleeve	1,657	Hot 3 Phase Crude Flow w/ CO <sub>2</sub>

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YEAR 2003						
ID, USA	24"	Barnard Pipeline / Williams Transco	Valspar Pipeclad 2000	Valspar Pipeclad 2000 and 2040	38	Natural Gas
Sweeny, TX, USA	3", 8", 16", 24"	Tepco / ConocoPhillips	Sherwin Williams DuraPlate UHS Liquid	Liquid Epoxy	58	Refinery Process Water Pipeline
Jacksonville, FL, USA	30"	Sunland Construction / Jacksonville Electric Authority	Tnemec 140	3M Scotchkote 6233/ Powercrete	123	River Crossing Potable Water
Philadelphia, PA, USA	24"	Henkels & McCoy / Williams Transco	Valspar 2000	Valspar 2000 and 2040	43	Natural Gas
Sweeny, TX, USA	24"	Flint Energy Services / ConocoPhillips	Sherwin Williams Dura-Plate UHS	HTLP-60 Shrink Sleeve	2,750	Process Water Pipeline
Oriente Rain Forest, Ecuador	18"	Eden Yuturi JV / Oxy Int'l	AMERON 91	Canusa PP Shrink Sleeve	74	Hot 3 Phase Crude

LOCATION	PIPE SIZE	CUSTOMER(S)	FIELD-APPLIED ID COATING	FIELD-APPLIED OD COATING	NO. OF JOINTS	PRODUCT
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YEAR 2002						
Oriente Rain Forest Ecuador	18"	Eden Yuturi JV / Oxy Int'l	AMERON 91	Canusa PP Shrink Sleeve	700	Hot 3 Phase Crude
Selma, AL, USA	48"	Murphy Brothers / Williams Transco	3M 206N	Powercrete	47	Natural Gas
Coalville, UT, USA	36"	Welded Construction / Williams Transco	3M 206N	Liquid Epoxy	125	Natural Gas
Evanston, WY, USA	36"	Gregory & Cook / Williams Transco	3M 206N	Lilly 2040	63	Natural Gas
ND, USA	30", 36"	Michels Pipeline Corp. / City of Grand Forks, ND	3M 206N	3M 6233 Base Coat / 3M 6352 Top Coat	115	Raw Water Intake and Trans
MO, USA	30"	Michels Pipeline Corporation / Missouri American Water Co.	3M 206N	3M 206N Powercrete	73	Potable Water
NJ, USA	36"	Henkels & McCoy / Williams Transco	3M 206N	Lilly 2000 Lilly 2040	122	Natural Gas
OK, USA	18"	Davis Corp / Red Bud Power Plant	Interzone 954 LIQUID	Direx Shrink Sleeve	30	Cooling Water
MO, USA	30"	Hoke Construction / Missouri American Water Company	3M 206N FBE	FBE / Powercrete	120	Potable Water

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YEAR 2001						
Canada	42"	OJ Pipeline / Muskeg River	Interline 925 LIQUID	Liquid Epoxy	110	Process Water Intake
Spain	12", 44"	Smit Land & Marine	Sigma Novaguard LIQUID 7453	Liquid Epoxy	205	Ballast Line
MI, USA	10", 20"	Perm Corp / Willbros Engineering	3M 206N FBE	3M 206N FBE Powercrete	74	Water Process
NC, USA	24"	APAQ / Jacobs Sverdrop	3M 206N FBE Tnemec 139 LIQUID	3M 206N FBE	115	Cooling Water
OK, USA	18"	Red Bud Power Plant	Interzone 954 LIQUID	DIREX Shrink Sleeve	30	Cooling Water
Kuwait	12", 20"	Consolidated Contractors Corporation (CCC-Kuwait) / Kuwait Oil Company (KOC)	Hempel 45540 LIQUID	Shrink Sleeve	2,908	Injection Water Transfer
Antofagasta, Chile	24"	ARB / Minera Escondida Copper Mine	3M 206N FBE	Grey Polyurethane Paint	1,180	Raw Well Water
OH, USA	36"	LA Pipeline / City of Cincinnati	3M 206N FBE	3M 206N Powercrete (ARO)	72	Potable Water
NJ, USA	42"	NAPP-Grecco / Transco	3M 206N FBE	Lilly 2000 Lilly 2040 FBE ARO	125	Natural Gas
NV, USA	24" Clay	Pacific Process / Kerr McGee	Chemtron TR55 LIQUID	None	35 (rehab)	Surface Water
NC, USA	36 "	Crowder Const.	3M 206N FBE	FBE	5	Lake Water

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<b>YEAR 2000</b>						
GA, USA	30", 36"	Carl E. Smith / Transco, Williams Pipeline	3M 206N	Lilly 2000 / 2040	32	Natural Gas
Canada	36"	Petrochem / Suncor	3M 6258	3M 226N	530	95°C Water
Austin, TX, USA	24"	Smit Land & Marine	3M 206N	3M 206N / Powercrete	63	Water
Ft. Lauderdale, FL, USA	24"	Smit Land & Marine	3M 206N	3M 206N / Powercrete	35	Water
Lake Tahoe, NV, USA	30"	LN Craig Construction	3M 206N	3M 206N	26	Water
AL, USA	42"	US Pipeline	3M 206N	Lilly 2000 / 2040	34	Natural Gas
Hong Kong	24"	Leighton	3M 206N	3M 206N / Powercrete	230	Utility Casing
<b>YEAR 1999</b>						
Lake Jordan, NC, USA	24"	Transco	3M 206N	FBE Lilly 2040	140	Natural Gas
Pisco, Peru	12"	GMT Consorcio Terminales	Jotun 1003	FBE NapGard Gold	300	Petroleum / Salt Water Ballast Line
Bay of Campeche, Mexico Offshore	48", 42"	Global Offshore Mexico / Pemex	Copon Hycote 162HB LIQUID	FBE Concrete	1,170	Salt Water
Jamnagar, India	10", 20"	PSL Holding Limited	Copon Hycote 162HB LIQUID	Coal Tar	115	Salt Water
St. Lucie River, Stuart, FL, USA	16"	Bishop & Assoc. (City Water Eng.)	3M 134	3M 206N	110	Potable Water
Cardinal Pipeline Raleigh-Durham, NC, USA	24"	Transco	3M 206N	Lilly 2040	115	Natural Gas
Butler, AL, USA	30"	Transco	3M 206N	Lilly 2040	45	Natural Gas
Hong Kong	24"	Leighton	3M 206N	3M 206N / Powercrete	230	Utility Casing

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<b>YEAR 1998</b>						
Jamnagar, India	10", 20"	PSL Holdings Limited	Copon Hycote 162 HB LIQUID	Coal Tar	4,500	Salt Water
Dehej, India	20"	Punj Lloyd Limited	Amercoat 78HB Coal Tar Epoxy LIQUID	Coal Tar Concrete	250	Sewer
Providence, RI, USA	24", 30"	City of Providence Water District	Valspar 1003	3M 206N	142	Water
Norfolk, VA, USA	42"	City of Norfolk	3M 206N	3M 206N	87	Water
Antofagasta, Chile	18", 42"	Techint de Chile	3M 206N / Morton	3 LPE	7,500	Water
<b>YEAR 1997</b>						
Dayton, TX, USA	30"	Transco	3M 206N	FBE Lilly 2040	58	Natural Gas
St. Charles, MO, USA	36"	Michels	3M 150	3M 206N	112	Water
Kissimmee, FL, USA	16", 24"	Gulf Coast Constructors, Inc.	Induron 3300 Rough Stuff LIQUID Epoxy	Carbozinc and Polyurethane	140	Water
<b>YEAR 1996</b>						
Butler, AL, USA	30", 42"	Transco / Sheehan	3M 150	3M 206N	105,112	Natural Gas
Quitman, MS, USA	24", 30"	Transco / Sheehan	3M 150	3M 206N	100,100	Natural Gas
SC, USA	24"	Michels	3M 150	3M 206N	105	Water
Conroe, TX, USA	30"	Transco / Driver	3M 150	3M 206N		Natural Gas
San Diego, CA, USA	24"		3M 150	3M 206N	50	Water
San Luis Obispo, CA, USA	42"		3M 150	3M 206N	50	Water
Green Bay, WI, USA	16"	Intercon / City of Green Bay	Morton	NapGuard	62	Water

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Memphis, TN, USA	20"	Memphis Power & Light	3M 150	3M 206N		
<b>YEAR 1995</b>						
Smithfield, VA, USA	30"	Land & Marine	3M 150	3M 206N	115,100	Sewer
Green Bay, WI, USA	36"	Michels / City of Green Bay	3M 150	3M 206N	87	Potable Water
Chile, South America	8", 10"	Fluor Daniels / Escondida	Intertuff 708HS LIQUID	FBE	2,640	Water
Chile, South America	16", 20", 24", 30", 34"	Fluor Daniels / Escondida	3M 206N	3M 206N	3,960, 6,600	Water
Jefferson City, MO, USA	36"	City of Jefferson City	3M 150	3M 206N	112	Water
Portsmouth, VA, USA	48"	City of Portsmouth	TNEMIC 139 LIQUID	3M 206N	90	Water
Oswego, NY, USA	24", 36"	City of Oswego	3M 150	3M 206N	75, 75	Water
Tomball, TX, USA	12"	Texaco	3M 134	3M 206N	50	



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<b>YEAR 1994</b>						
Hackensack, NJ, USA	30"	City of Hackensack	3M 150	3M 206N	50	Water
Mt. Belvieu, TX, USA	8", 12"	PB-KBB-TOF-Enron	3M 134	Valspar 1003 LD	30	Brine Water
Newport News, VA, USA	30"	City of Newport News	3M 150	3M 206N	40	Potable Water
Tacoma, WA, USA	30"	City of Tacoma	3M 150	3M 206N	110	Water
Silsby, TX, USA	30"	Tranco / Gregory & Cook	3M 150	3M 206N	115	Natural Gas
St. Francisville, LA, USA	36"	Transco / Counties Corp.	3M 150	3M 206N	112	Natural Gas
St. Francisville, LA, USA	36"	Transco / Associated	3M 150	3M 206N	112	Natural Gas
Jupiter Island, FL, USA	16"	City of Jupiter Island	3M 150	3M 206N		Potable Water
Smithfield, VA, USA	24", 30", 36"	Land & Marine	3M 150	3M 206N	100, 100, 107	Sewer
Criccieth, Wales	10"	Welsh Water	Coal Tar Epoxy	Corrocoat	50	Sewer
Shoreham, England	26", 30"	Southern Water		Cleaning Only	208	Water
Jupiter, FL, USA	16"	City of Jupiter	3M 150	3M 206N	71	Water
<b>YEAR 1993</b>						
Norfolk, VA, USA	48"	City of Norfolk	Hi-Gard 311	3M 206N	62	Water
Ecuador	8", 16"	Oxy	Morton 10-8158	Morton	1,480	Hot 3 Phase Flow
Oswego, NY, USA	36"	City of Oswego	3M 150	3M 206N	50	Water
Starks, LA, USA	30"	Transco	3M 150	3M 206N	37	Natural Gas
Wales	16"	B.P. Barry	Coal Tar Epoxy	Corrocoat	50	Waste Water

LOCATION	PIPE SIZE	CUSTOMER(S)	FIELD-APPLIED ID COATING	FIELD-APPLIED OD COATING	NO. OF JOINTS	PRODUCT
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YEAR 1992						
Lake Charles, LA, USA	16"	Vista Chemical	Valspar 78D	Lilly 1500	25,140	Waste Water
Offshore CA, USA	12"	Exxon	3M 206N	3M 206N	1,458	Treated Water
Huntington, CA, USA	12", 18"	Orange County Sanitation	3M 134	3M 206N	497	Methane Gas
Edmonton, Canada	16"	Esso	Valspar 78D	Valspar D-1003	1,452	Water Injection
AL, USA	16"	Arco	Carboline 368 WG	3M 206N	50	Hot 3 Phase Crude Oil
AL, USA	30"	Transco	3M 206N	3M 206N	100	Natural Gas
Petaluma, CA, USA	18"	City of Petaluma	Kop-coat	Lilly	50	Potable Water
Mt. Belvieu, TX, USA	14"	Tenneco	Valspar 78D	3M 206N	75	Brine Water
YEAR 1991						
St. Francisville, LA, USA	36"	Transco	3M 206N	3M 206N	125	Natural Gas
Orwell, England	12"	Anglian Water	Copon Hycote 162	Corrocoat	50	Potable Water
YEAR 1990						
North Slope, AK, USA	24"	Arco	Carboline 368 WG	Bare	125,100	Hot 3 Phase Crude Oil
Neath, Wales	24"	Welsh Water	3M 206N	Corrocoat	25	Sewer
Hammond, TN, USA	24"	City of Hammond	Kop-coat	3M 206N	25	Potable Water
New York City, NY, USA	24"	City of New York	Valspar 78D	3M 206N	45	Potable Water
Norfolk, VA, USA	20"	City of Norfolk	Kop-coat	3M 206N	55	Potable Water

LOCATION	PIPE SIZE	CUSTOMER(S)	FIELD-APPLIED ID COATING	FIELD-APPLIED OD COATING	NO. OF JOINTS	PRODUCT
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YEAR 1989						
St. Louis, MO, USA	16"	City of St. Louis	Valspar 78D	3M 206N		
Mt. Belvieu, TX, USA	20"	Texas Eastern	Valspar 78D	3M 206N	187	Brine Water

The internal coating process has been commercially available since 1976. Additional job history information dating to 1976 is available upon request.