



Abrasion protection

Girth weld coating

Pipe coating

Coating of fittings

Coating repair

Cathodic protection

Accessories

New technologies

**Pipeline and storage tank
rehabilitation**



Corrosion Protection Group

Innovative Products for On-Stream Applications...

Polyken® Pipeline Coatings, Covalence Heat Shrinkable Sleeves, AnodeFlex™ impressed current linear anodes and Powercrete® Liquid Epoxy Coatings are products and signature brands of the Berry Plastics. Berry Plastics CPG has over 45 years of solid performance in protecting gas, oil, water and district heating pipelines as well as other metal structures around the world. Increasingly, Berry Plastics CPG has adopted an 'all from one source' philosophy and is capable of manufacturing and delivering the following corrosion protection:

- Accessory coating products
- Cathodic protection products
- Coatings for fittings, bends and tees
- Epoxy coatings for pipe and storage tanks
- Impressed current linear anodes
- Insulated pipe joint sealing systems
- Linings (WRAS approved) for pipe and tanks
- Liquid adhesives and primers
- 'Over the ditch' (in situ) pipe coatings
- Pipe coating repair systems
- Pipe girth weld coatings for FBE, PE, CTE & PP coated pipe
- Plant applied pipe coatings
- Reconditioning systems
- Technical services



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American
Water Works
Association



NACE
INTERNATIONAL



Full product range



Corrosion Protection Products

- Single- and multi-layer
- Wraparound and tubular
- Heat shrinkable joint protection for water, gas, oil and insulated pipelines
- Approved to DIN, DVGW, EN and AWWA standards
- Service temperatures up to 121 °C (250 °F).



POLYKEN®

Pipeline Coatings

- Plant and field applied polyolefin coatings
- Hot and cold applied wrap coatings
- Ideal for line travel, rehabilitation and manual application
- Approved to DIN, EN and AWWA standards
- Service temperatures up to 121 °C (250 °F).



AnodeFlex™

Cathodic Protection

- Long-line flexible anode systems for impressed-current cathodic protection of buried pipelines, tanks and other metal structures
- Rehabilitation without excavation, saves money
- Long continuous circuit lengths
- Avoids interference and stray current problems
- 20 years life or more!



Epoxy Coatings

Sacrificial Epoxy Coatings

- Protects FBE coated pipe used in slick boring (HDD)

Corrosion Protection Epoxies

- Ideal and cost effective joint coating for FBE coated pipe
- Reduces joint coating costs by up to 50%

Rehabilitation Epoxy Coatings

- Clean and coat old or damaged lines for ultimate long protection
- All temperature classes up to 150 °C (300 °F).

Internal Pipeline Coatings

- Water and gas line flow coatings



CORROSION PROTECTION GROUP

Tested and approved



In addition to complying with ISO 9001/2, Berry Plastics CPG (Corrosion Protection Group) products are subjected to a broad range of testing in accordance with Global Industry Standards and customer specifications. This means that:

- **AF, BS, AWWA, CZA, DIN, DVGW, EN, GDF, IDGA, ISO, PDVSA, WRAS, (to name a few) tested and approved products**
 - Pre-approved products are readily available
 - Comprehensive list of customer approvals available on request
- **Innovative development and built-in performance**
 - Consistently high and unparalleled dependability
- **Clear and concise installation procedures**
 - Easy and reliable to use
- **Millions of documented global installations**
 - Proven track-record
- **Global distributor and sales network**
 - Easy to obtain products, support and service
- **Products supplied with optimum sizing and packaging**
 - Reduces inventory costs and saves money.

Technical services program

Berry Plastics CPG demonstrates a commitment to projects and end-users by assisting with the application of corrosion protection products.

The 'Tech Services Program' includes the following:

1. Assistance to end-users in:

- the analysis of corrosion protection needs using both Berry Plastics CPG corrosion experts and third party service providers
- the preparation of specifications (equipment, coating, storage, handling, transportation and project site practices)
- the conduct of end-user or third party inspection and specification compliance with respect to application, storage, handling, transportation, stringing and ROW construction practices
- training and certification.

2. Coatings application including:

- limited equipment rental to Berry Plastics CPG certified applicators or in conjunction with Berry Plastics CPG technicians
- the coating of girth welds
- the patch-repair of damaged coating
- the application of liquid epoxies for rehab, girth weld and HDD applications.

The goal of the 'Tech Services Program' is to work with the end-user and all affiliate companies to obtain an intact and defect free coating on the pipe. This is a fee and/or product volume based** program. This 'Tech Services Program' coupled with tough and proven anti-corrosion products serves as the basis for long-term protection of metal structures against corrosion and mechanical damage.



Berry Plastics CPG organizes 'installer-certification' seminars as well as specific product-trainings. Trained installers receive a 'Berry Plastics CPG Certificate' after a successful training of installation of corrosion protection products.

** The fees associated with this program are calculated on a cost-sharing basis with consideration to the size and scope of project as well as the usage of Berry Plastics CPG products.

Proven track-record

Berry Plastics CPG has more than 30 years experience in the development and manufacturing of heat-shrinkable products. Here is a small selection from our extensive track record.



- Bolivia to Brazil Gas Line, 3,000 km of 32" pipe, 250,000 WPCT sleeves
- Argentina to Chile Gas Lines, 4 crossings of the Andes, 110,000 HTLP60 sleeves
- North Sea Zeepipe, 1,560 km of 40" pipe, 120,000 WPCZ sleeves
- Russia Gazprom, 800 km of 56" pipe, 72,000 HTLP60 sleeves
- Oman Gas Pipeline, 500 km of 48" pipe, 45,000 HTLP80 sleeves
- Saudi Arabia Shayba Pipeline, 670 km of 48" pipe, 28,000 HTLP80 sleeves
- China Lang-Chen-Yu Line, 1,000 km of 14"-20" pipe, 90,000 HTLP60 sleeves
- Italian Gas Lines, 1,000 km of 48" pipe, 92,000 HTLP60 sleeves
- India Kandla to Bathinda, 1,440 km of 14"-22" pipe, 120,000 HTLP60 sleeves
- India HBJ, 1,700 km of 36" pipe, 140,000 HTLP/WPC80 sleeves
- North Sea, UK, Laggan-I, 282 km of 18" pipe, 23,875 HTLP-PP sleeves
- North Sea, UK, Laggan-II, 227 km of 30" pipe, 19,219 HTLP60-PP sleeves



POLYKEN®

- United States - Chevron, 65,6 km of 2-3/8"-10-3/4" pipe
- Australia - Jackson Moonie Project, 810 km of 12" pipe
- Egypt - Sumed, 678 km of 42" pipe
- France - Gazoduc Esch Cimetiere Sotei, 2475 km of 16" pipe
- Indonesia - Pertamina-Cilicap Refinery, 2520 km of 46" pipe
- Korea - TDI Plant, 66", 72", 78" pipe
- United States - Northwest Pipe, Brazos River Raw Water Trans Main, 72,4 km of 48" pipe
- United States - Pacific Pipe, Rawlins Wyoming Water Dept, 41,8 km of 30" pipe
- Argentina - TGS, rehabilitation of 30-36" pipe
- Chile - Minera Escondida, new water and slurry lines
- Bolivia - Transredes, rehabilitation oil and gas lines
- India - Jaipur, 106 km of new Water pipeline of
- India - Salaya - Mathura, 1300 km - rehabilitation of oil lines



★Powercrete®

- China - Rehab and girth welds - Beijing Gas
- United States - Girth welds - Monsanto
- United States - Rehab - Amoco
- United States - Rehab and girth welds - Pacific Gas & Electric
- Australia- Rehab - AGL
- Columbia - Girth Welds - Columbia Gulf
- Thailand - Rehab and girth welds - Petroleum Authority PTT
- UK - Rehab and girth welds - British Gas
- India - Superflow - Mora-Vapi Pipeline - 30"OD, 128 kms
- India - Superflow - Phulphur - Thulandi Pipeline - 18"OD, 140 kms
- India - Superflow - Anand-Rajkot Pipeline - 24"x18"OD, 230 kms



AnodeFlex™

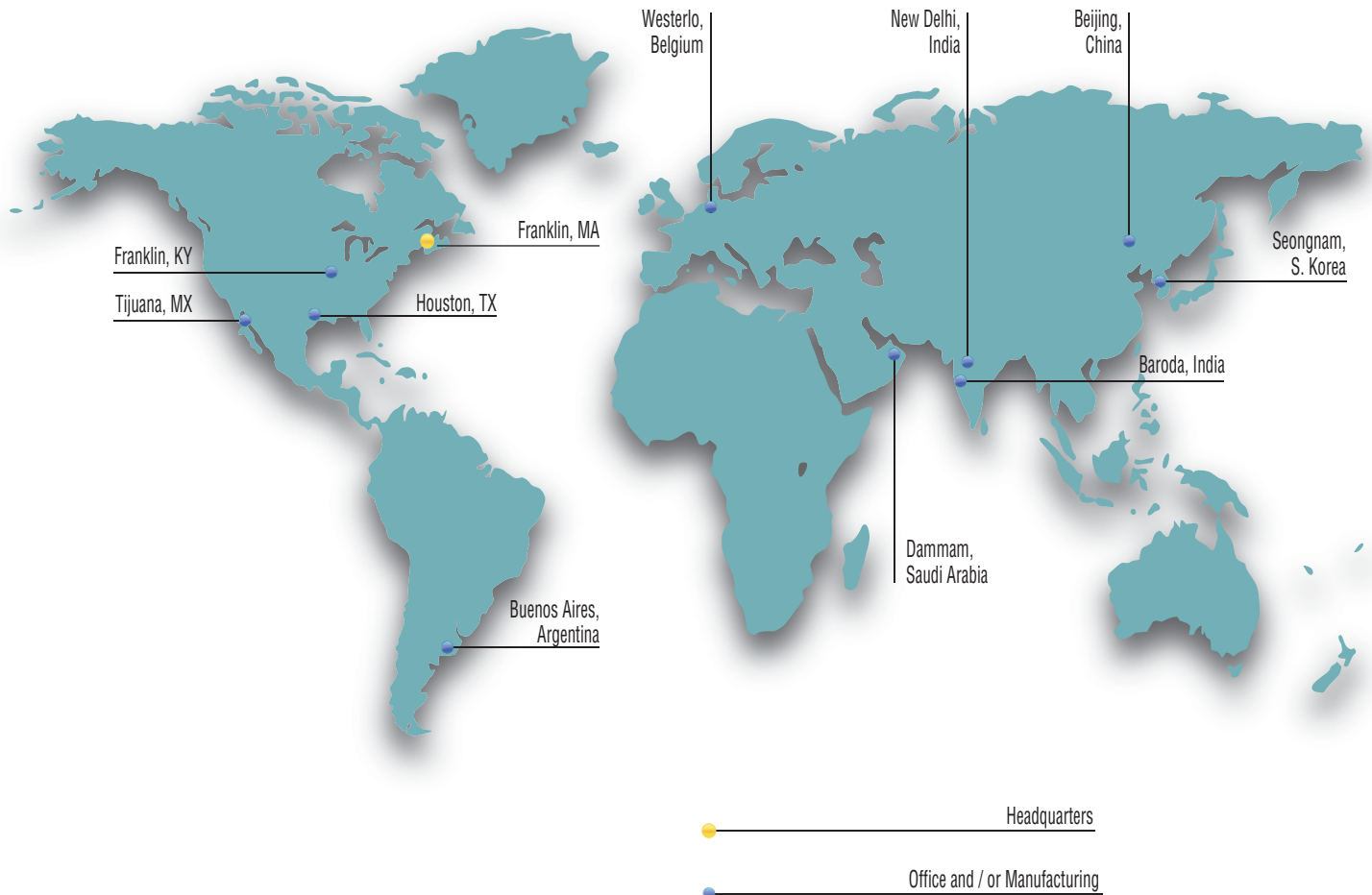
- TransCanada Pipelines Co. Canada, 1985 - 2002, 500 km of 24"/36"/48" gas transmission pipeline rehabilitation. Anodeflex 500 and 1500
- Trans Continental Gas (Transco), USA, 1984 - 2002, 500 km of 6" upto 36" gas transmission pipeline rehabilitation. Anodeflex 500 and 1500
- TGS and TGN Argentina, 1996 - 2002, 200 km of 20" - 36" gas transmission pipeline rehabilitation. Anodeflex 1500
- Petronas, Malaysia, Melaka Refinery Tank Farm, 1992. Contractor JGC Japan. Cathodic protection on 68 new tank bottoms with diameters up to 68 metres. 30,000 metres of Anodeflex 1500 installed
- Indian oil Corp, BPCL, HPCL, India. 1995 - 2000. Contractor Raychem-RPG, India. Cathodic protection on new burned LPG bullet tank farms. 15,000 metres of Anodeflex 1500 installed.

Global sales and support network

Berry Plastics representatives around the world are committed to provide top quality service in bringing to their customer's assistance and expertise in:

- product selection
- design
- technical support

Berry Plastics through its worldwide sales and support networks, and alliances with local manufacturing companies can better respond to our local customers needs.



CORROSION PROTECTION GROUP
www.berrycp.com

The leading global partner in protecting the integrity of critical infrastructure.

Berry Plastics warrants that the product(s) represented within conform(s) to its/their chemical and physical description and is appropriate for the use as stated on the respective technical data sheet when used in compliance with Berry Plastics written instructions. Since many installation factors are beyond the control of Berry Plastics, the user is obligated to determine the suitability of the products for the intended use and assume all risks and liabilities in connection herewith. Berry Plastics liability is stated in the standard terms and conditions of sale. Berry Plastics makes no other warranty either expressed or implied. All information contained in the respective technical data sheet(s) should be used as a guide and is subject to change without notice. This document supersedes all previous revisions. Please see revision date on the right.

The information and values listed for Berry Plastics products are averages obtained from the relevant industry test procedures, carried out in our laboratories under controlled conditions. Values obtained on site will vary depending on the test methods and conditions. Manufacturing tolerances are available on request. Whilst Berry Plastics warrants its products to be free of material and manufacturing defects, Berry Plastics disclaims any liability in connection with the misuse of Berry Plastics products.

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