



AMCHEM

PRODUCTS PVT.LTD

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PURETHANE®

Infrastructural Coatings

DRYTHANE®

Waterproofing Liquid Applied Membranes

Amshield®

Deck

Industrial Flooring

**Customised Polyurethane Solutions – Best-in-Class
Protection for Every Corrosion, Abrasion &
Waterproofing Challenge**

ABOUT AMCHEM

Amchem is the pioneering manufacturer of two component solvent free polyurethane coatings. We have a 30 year track record and have executed some of the largest Polyurethane coating projects in the world. We ship our coatings worldwide from our ISO 9001, 14001 and 45001 certified plants in NOIDA, a suburb of New Delhi India. To learn more about our company please scan the adjacent QR code or visit <https://bit.ly/3JP0ipR>



PURETHANE® Infrastructural Coatings

Purethane® NXT - Pipe Lining & Coating For Water, Sewage, Wastewater & Seawater Pipes & Storage Tanks.



Lining and coating **carbon steel** and **ductile iron pipes**. Certified for potable water (NSF 61, ACS, WRAS) and compliant with **AWWA C222, EN 15655, EN 15189, ISO 12944-9 offshore**. Offers seamless protection, high adhesion, corrosion resistance and a **30-50+ year service life at 0.75-1.50 mm. 2.5:1 Ratio**. Also available in variants: **NXT-ICE** (improved colour external), **NXT-321** (3.0:1) and **NXT-WP 321** (India only).

Purethane® PLX & PLX Plus Coating For Oil & Gas (Buried & Offshore) Pipe & Tank External



Provides exceptional resistance to **cathodic disbondment even at high temperatures**, while maintaining strong **electrical insulation** and adhesion. With excellent **impact and penetration resistance**, it minimizes installation damage. Exceeds **EN 10290** and **ISO 21309-3/11**. Applied at **1.50 mm DFT** (3:1 ratio), it ensures a **50+ year service life**. Variant **PLX Plus** (1.5:1) delivers superior performance.

Purethane® Hand Mix Kits For Blast Cleaned Weld Joints, Valves, Fittings, Onsite Damage Repair and Small Jobs



Pre-measured components in **2.0, 4.0 & 8.0 Litre** packs with tools for simple field use. **Same chemistry** as the parent coating but slower curing for roller application. Strong adhesion, **seamless finish**, and **no tenting** on weld seams. Improvement over heat-shrink sleeves or tapes. **Available only with Purethane projects** for assured compatibility.

Purethane® NXT-HE Sectional Tank Lining Internal Lining for Bolted, Sectional, Steel, GLS & GRP Tanks



With **>40% elongation**, it bridges joint movements without cracking while bonding strongly **without primer**. Spray-applied as a seamless, monolithic film, it combines **adhesion, flexibility, chemical resistance, and toughness** in one layer, where rigid coatings fail. For **Water, Wastewater, Seawater, Petroleum & Chemical Service**. Meets **AWWA C222. 30-50+ year service life** in water on blast cleaned steel at **0.75-2.00 mm. 2.0:1 Ratio**.

Purethane® NXT - SIP Pipe Rehabilitation In-Situ Lining of Iron, Steel, Concrete and Plastic Water and Wastewater Pipes



Restores aging pipes by forming a **load-bearing, chemical resistant** liner inside the host. Meets **AWWA M28 Class IV** and **NSF 61** up to **60 °C for pipes ≥26"**. With high stiffness, water/wastewater resistance, and fast cure, it ensures long-term protection, **economical life extension**, and **minimal service disruption**. **1.5:1 Ratio, 3.00-6.00mm+ hot spray** applied with a 50+ year life. For smaller dia pipes, use cold applied **centrifugal slinger variant**.

Purethane® 386i/9000 - Pile Coating Seawater Pipe & Sheet Piles/ Other Applications which Require Very High Impact/ Shock Resistance

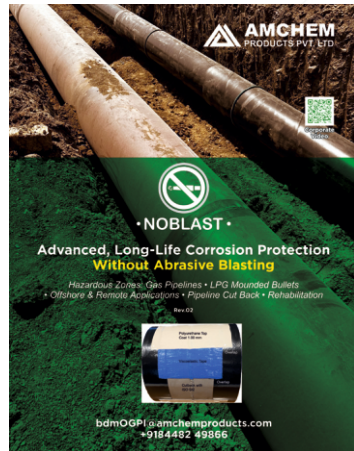


A proven **primed elastomeric polyurethane** with outstanding **seawater resistance** and a **30+ year track record**. Though largely replaced by Purethane NXT, it remains valued for **impact and shock resistance**, making it ideal for specialized uses such as **pipes and sheet piles**. Applied at **2.00-3.00 mm DFT**, it provides a **40+ year service life**, delivering long-term durability in aggressive marine and industrial environments.

PURETHANE® Infrastructural Coatings

Purethane® NoBlast

Advanced, Long-Life Corrosion Protection Without Abrasive Blasting



Protects pipelines, tanks, and infrastructure **where blasting is unsafe or prohibited**, including gas lines, LPG bullets, offshore, and remote sites. A **1.5 mm self-healing viscoelastic base layer** bonds to ISO St2 steel, blocking moisture and corrosion, while a **1.0 mm polyurethane topcoat** adds seamless toughness and chemical resistance. Cold-applied, spark-free, fast curing, it ensures **25-40+ years of protection** at up to **50% lower installed cost**.

Purethane® NXT - ETF Coating

Fast Setting, Tough, Ductile Iron Pipe Topcoat Over Zinc, Zn-Al



Formulated as a durable **external thin-film topcoat** for zinc or Zn-Al coated **ductile iron pipes**, NXT-ETF enhances **service life** with low permeability, strong adhesion, chemical and water resistance, flexibility, impact and abrasion resistance. Its **fast set** supports **high production rates**, making it an ideal **replacement for epoxy and asphalt** coatings. ETF-ICE resists sunlight, retaining colour for 12+ weeks. 1.50:1 Ratio, applied at **0.15-0.50 mm DFT**.

Purethane® NXT - UNO DTM Aliphatic

Revolutionary 100% Solids DTM Aliphatic Polyurethane for Corrosive Atmospheric Service



The **world's first** 100% solids aliphatic polyurethane for **single-coat, direct-to-steel** use in **severe C5 and CX atmospheric environments**. Applied at 300-500 microns DFT, it delivers Very High (Vh) durability >25 years per ISO 12944. **Replacing the traditional 3-coat zinc, MIO mid, and acrylic topcoat system, it saves major labour cost and provides much longer service life** with one seamless layer. **Releasing spring 2026**.

Purethane® FLX - Concrete Lining

Chemical Resistant, Impermeable Barrier for Concrete In Immersion, Splash & Buried Service



High elongation coatings (200-400%) such as Polyurea allow ions and moisture to pass, making them **poor corrosion barriers for concrete**. FLX provides an **elastic but impermeable film**, applied at **1.5-3.0 mm**. With **<0.002 perm-inch** vapour permeability and **<0.86%** water absorption, it cures fast to a tough, **crack spanning coating**, resisting **strong acids and alkalis**, salts, **sewage**, for long-term concrete protection. Ratio 3.5:1

Purethane® FLX Plus Polyurea & Hybrid

Solvent Free, Fast Setting, Spray Applied, Polyurea and Hybrid Polyurea For Abrasion Applications



Seamless, monolithic membrane at **1.5-3.0 mm DFT**. They deliver high elongation, strong tensile strength, and very low **abrasion loss <10 mg (ASTM D4060)**. Ideal for **pipe lining, marine fenders, hoppers, truck beds**, and also effective in secondary containment, bridge decks, tunnels. Mix ratio 1:1. Offered as pure Polyurea (**Plus**), **HB20+ (Hybrid)**, and **HP20+ (High Performance Hybrid)** with **750%+ elongation**. and **slower set for better bonding**.

Custom Graco® & Application Equipment

Automated 2K Spray, Bulk Blasting Pots, Automated Pipe Coating & Lining Equipment



With **30+ years' experience** and **2,500 km of pipe coated**, we deliver consistent, first-to-last quality. Using Graco pumps, **Amchem automation**, and quick ratio changes, we ensure **accuracy, durability, and uptime**. Customers gain **rapid spares and expert support**. Our expertise extends to **design and supply of automated pipe coating and lining systems** as well as high output **blast cleaning equipment**,

Drythane® Standard - Waterproofing

Solvent Free, Thick Film, Liquid Roller Applied, Polyurethane Membrane



Designed for long-term waterproofing of concrete and masonry. Applied at **1.20-2.00 mm DFT**, it forms a seamless, tough, elastic film with low water absorption and crack-spanning ability. Easy to apply with a roller, it is ideal for **green roofs, podiums, pools, water tanks and retaining walls**, delivering **30+ years** of durable protection. Ratio 3.8:1, pre-measured components. Aply supported by **Drythane PIV, damp tolerant 2K, 100% Solids** Polyurethane primer.

Drythane® 400HE - Waterproofing

Solvent Free, Thick Film, Liquid Roller Applied, Polyurethane-Polyurea Hybrid Membrane



A flexible membrane with **~400% elongation**, used **alone or as a base coat** under Drythane Standard to **enhance crack spanning**. It withstands temperature cycling and spans **4.5 mm** cracks; combined with Standard, it bridges **10 mm+**. Easy roller application. Provides **30+ years** protection. Supplied in 4.25:1 pre-measured packs, supported by **Drythane PIV damp-tolerant 2K, 100% Solids** Polyurethane primer.

Drythane® Aliphatic - Top Coat

Liquid Applied, Waterproofing Membrane Topcoat The Decorative And Heat Reflective Waterproofing



Applied at **0.30-0.50 mm** over Drythane Standard, FLX Plus Polyurea, or FLX Plus HB, this colour-stable, **aliphatic topcoat enables vibrant, long-lasting designs**. It resists UV discolouration and reduces rooftop surface temperature **by up to 15 °C**. Ideal for green roofs and cooler interiors, **lowering energy use** while ensuring durable, aesthetic, and eco-friendly. Supplied in 2.50:1 pre-measured packs. Can also be spray applied using 2K equipment.

Drythane® Ultimate Combo Waterproofing

Highest Performing 100% Solids (Solvent Free) Polyurethane - Polyurea Hybrid System



A three-layer build with **primer, flexible base, and tough main coat**, plus optional reflective topcoat, gives **top waterproofing and strength**. It offers exception **crack spanning, puncture and damage resistance**, strong bond on damp concrete, and lasting resistance to **water immersion, UV, and weather**. **Applied easily by roller** at low cost, with a reflective finish that also cools roofs. Easily the **highest performing system** in the market.

Drythane® Plus Polyurea and Hybrids

Solvent Free, Fast Setting, Spray Applied, Polyurea and Hybrid Polyurea For Waterproofing



These solvent-free, **spray-applied coatings** form a seamless membrane at **1.5-2.0 mm DFT**, combining high elongation, strong tensile strength, chemical resistance, and **quick set**. With a 1:1 mix ratio, they are available as **Pure Polyurea (Plus), Hybrid HB20+, and slower-setting HB15+ and HB10+** for superior bonding. Ideal for waterproofing roofs, podiums, pools, tanks, and foundations with long-term durability.

Amshield Deck®- Flooring (SL)

Thick Film, Liquid Applied, Polyurethane Parking Deck, Industrial Floor & Clean Room Floor Coatings



Amshield delivers **long-term protection** for concrete floors, resisting impact, abrasion, chemicals, and dust. **Unlike brittle epoxies, it remains elastic under heavy loads, avoiding cracks**. Applied at 1.5-3.0 mm, it ensures long service life. Supported by Amshield **epoxy primer and screed**, with variants: **PD for parking decks, HE1/HE2 for heavy industry, X-Bac antimicrobial**, and **Aliphatic 80D** for colourfast outdoor use.