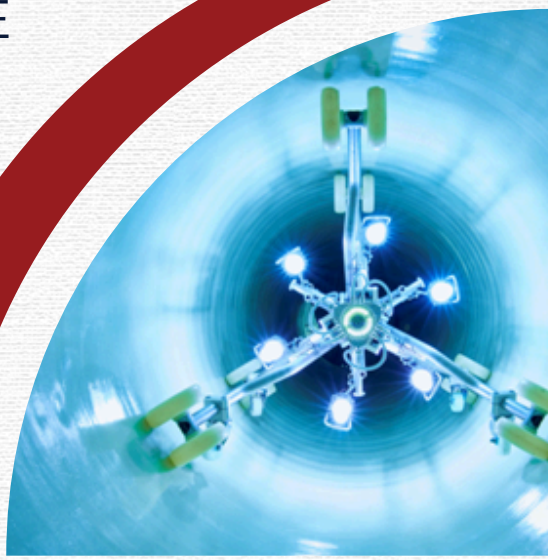
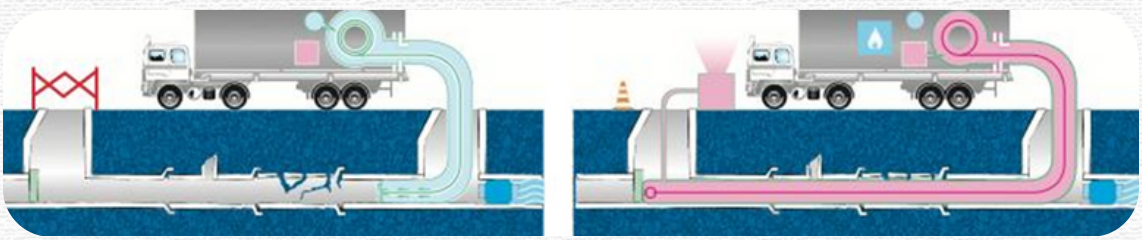
AYPOLS
The Trusted Chemistry

CIPP/ RELINING RESINS

RESINS FOR CURED-IN-PLACE PIPE



AYPOLS brings
The **Trusted Chemistry**,
The **Trusted Products**,
The **Trusted Performance**,
Trusted Services and a
Trusted Partner through its
Innovation, Quality Assurance,
Research & Developments to
absolute Customer Service with
practical Technical Support.



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Key Benefits of CIPP/ Relining:

- Minimal Nuisance: CIPP/ Relining can be executed without disturbing the traffic or normal life in the area.
- Faster Repair: Relining can be done hundreds of meters in one shot & Pipes can be back into the normal operations within a day.
- Reliable Operation: Chemical and Heat Resistant Polymers of Resin ensure a longer operation life of the Sewerage system.
- Continued Operation: Stability of sewer system higher due to Crack Resistant and High Strength Resin/ Composites.
- Lower Cost Relining: Significantly lower in cost with CIPP than traditional excavation and replacement.

CIPP/ Relining ASTM Standards:

- ASTM F1216: Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube
- ASTM F1743: Standard Practice for Rehabilitation of Existing Pipelines and Conduits by Pulled in-Place Installation of Cured-in-PlaceThermosetting Resin Pipe (CIPP)
- ASTM D5813: Standard Specification for Cured-In-Place Thermosetting ResinSewer Piping Systems
- ASTM F2019: Standard Practice for the Rehabilitation of Existing Pipelines and Conduits by the Pulled in Place Installation of Glass ReinforcedPlastic (GRP) Cured-In-Place Thermosetting Resin Pipe (CIPP)

AYPOLS CIPP/ Relining Product Line:

AYPOLS RESIN	PRODUCT	KEY POINTS
AYPOLS IS 7058 TF Series	Talc Filled, High molecular weight, thixotropic, rigid, high viscosity Isophthalic based Unsaturated Polyester Resin	• High viscosity version, • Excellent catalyzed pot life • Contains mineral filler for Superior mechanical properties • High molecular weight • High Modulus
AYPOLS IS 7074 LV Series	Neat, Thixotropic, high molecular weight, rigid, medium reactive Isophthalic based Unsaturated Polyester Resin	• Corrosion Resistance • Durability • Excellent Catalyzed pot life • Toughness • Superior Mechanical Properties • For over the hole installations of large diameter Pipes.
AYPOLS IS 8102 TA Series	Filled, Thixotropic, high molecular weight, rigid, high viscosity with high HDT Isophthalic based Unsaturated Polyester Resin	• Excellent Corrosion Resistance • Durability • Excellent, extended Catalyzed pot life • Toughness • Superior Mechanical Properties • Underground Sewer Pipe Relining
AYPOLS NP 7552 UV C	High molecular weight, NPG Based UV curable Unsaturated Polyester Resin for Cured in Place Pipe applications.	Excellent Corrosion Resistance • Durability • Toughness • Superior Mechanical Properties • Underground Sewer Pipe Relining
All the above series of Products have different versions for Gel time, Viscosity based on Process Condition and application needs.		
Catalyst Systems: • Most installers Use Perkadox 16 with Trigonox C; • CHP – Lower Exotherm; • BPO / Amine for Ambient Cure (Laterals)		

Key Benefits of Aypols CIPP/ Relining Resins:

- High impregnation speed due to reduced viscosity of the Aypols Resins.
- Fiber/ felt/ filler wetting as reduced viscosity helps wet out and allows for high filler loads.
- Longer Catalyzed Pot Life after impregnation as the impregnated liners can be transported over longer distances.
- Uniform Cure across thickness and Low peak exotherm for making thick laminates.
- Various Options in Resins suitable for Hot Cure Process, UV Cure Process and Hot Cure Pressure Pipes/ Potable water Pipes.

★ The Trusted Chemistry ★ The Trusted Products ★ The Trusted Performance ★ The Trusted Services ★ The Trusted Partner

For more information, related to the above product line, please call/ Email/ Send Enquiry

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