



PRODUCT PORTFOLIO

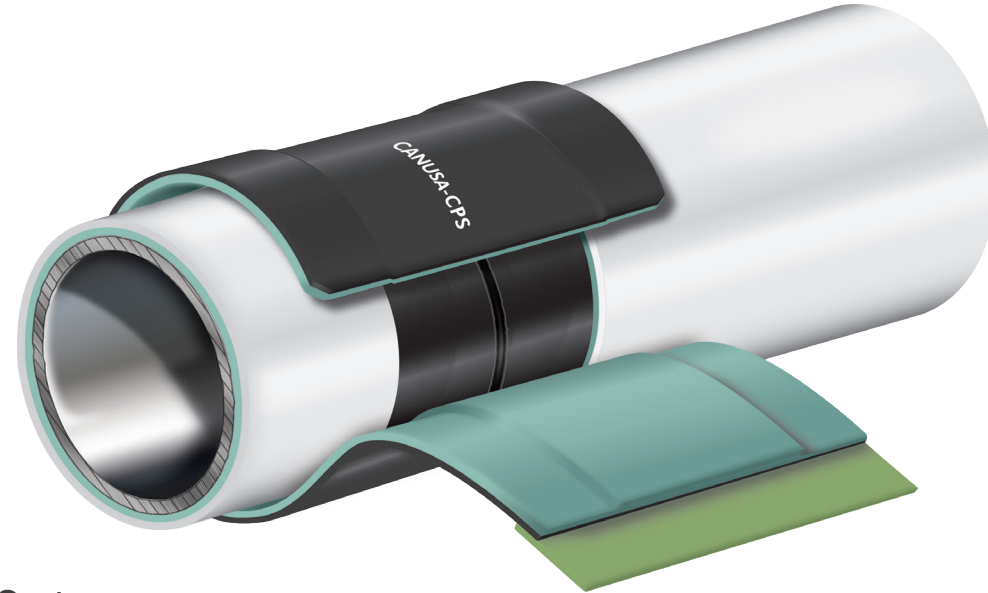
GTS-PP
GTS-PE
SCARGUARD®

 **CANUSA-CPS**
Corrosion Protection & Sealing

GTS-PP

Factory Grade™ 3LPP Field-Applied Coating System

Launched in 2000, the GTS-PP 3LPP coating system remains the world's leading joint coating for 3LPP coated pipelines. Its patented design uses Factory Grade™ polypropylene materials to deliver equivalent performance to, and fusion to, the factory-applied 3LPP coating with low installation temperatures and a proven and controlled application process.



FACTORY GRADE™ 3LPP COATING TECHNOLOGY

- **Polypropylene (PP) top coat** delivers mechanical protection and resistance to moisture absorption critical for high temperature and deepwater pipelines
- **High temperature liquid epoxy or fusion bonded** on steel provides Factory Grade™ resistance to cathodic disbondment and allows for low installation temperatures
- **PP copolymer** layer bonds the PP top coat to the epoxy and fuses to the factory-applied coating to eliminate the possibility of moisture ingress

PROVEN COMPATIBILITY AND FUSION

- Proven to provide consistent fusion to the factory-applied 3LPP coating with efficient installation

EASY TO INSTALL WITH PROCESS CONTROL

- Factory Grade™ performance achieved with low installation temperatures using uniform induction pre-heating technology
- Can be installed directly by contractors, supported by Canusa-CPS' industry leading field service team
- Can be combined with the patented IntelliCOAT® systems, providing a fully automated, efficient and safe installation

ENGINEERED FOR MAXIMUM EFFICIENCY

- Patented Reduced Edge Thickness design enhances installation efficiency and allows for elevated thickness applications
- Automated tube welding eliminates overlap/closure system typical of traditional sleeve systems, allowing for uniform thickness and cycle time reduction

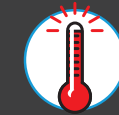
APPLICATIONS



Onshore Pipelines



Offshore, Reel, J & S Lay



High Temperature



High Abrasion Environments



High Moisture Environments

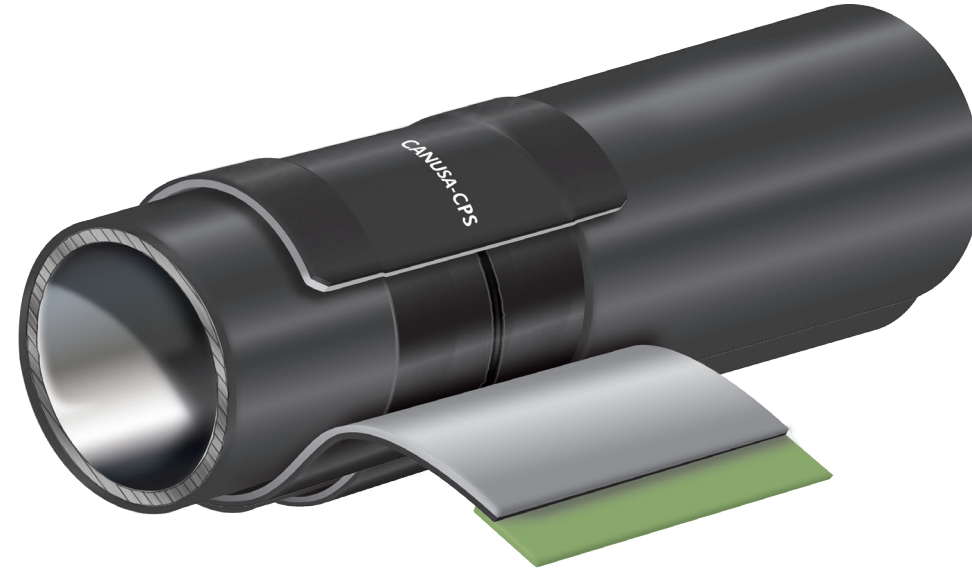


GTS-PP can be combined with the patented IntelliCOAT™ system, providing a fully automated Factory Grade™ coating system.

GTS-PE

Factory Grade™ 3LPE Field-Applied Coating System

The GTS-PE 3LPE coating system is the World's first heat recoverable coating system designed with Factory Grade™ 3LPE materials, delivering equivalent performance to the factory-applied 3LPE coating. Compared to other Factory Grade™ 3LPE coating systems, GTS-PE provides very low installation temperatures and a proven, uniform and repeatable application process.



FACTORY GRADE™ 3LPE COATING TECHNOLOGY

- **Polyethylene HDPE top coat** delivers mechanical protection and resistance to moisture absorption that is equivalent to the factory-applied coating
- **High temperature liquid epoxy** on steel provides Factory Grade™ resistance to corrosion and cathodic disbondment and allows for low installation temperatures
- **PE copolymer** layer bonds the PE top coat to the epoxy and fuses to the factory-applied coating to eliminate the possibility of moisture ingress

CONSISTENT END-TO-END 3LPE COATING PERFORMANCE

- Proven to provide consistent fusion to the factory-applied 3LPE coating
- A true 3LPE coating system with outer layers applied onto pre-cured epoxy layer for a guaranteed corrosion protection layer
- Proven on projects requiring the most advanced 3LPE coating performance, including reeling applications and large diameter directional drilling

EASY TO INSTALL WITH PROCESS CONTROL

- Factory Grade™ performance is achieved with remarkably low installation temperatures for added repeatability
- Can be installed directly by contractors, supported by Canusa-CPS' industry leading field service team, using uniform and controlled induction pre-heating technology
- Can be combined with the patented IntelliCOAT® system, providing a fully automated, efficient and safe installation

APPLICATIONS



Onshore Pipelines



Offshore, Reel, J & S Lay



High Moisture Environments

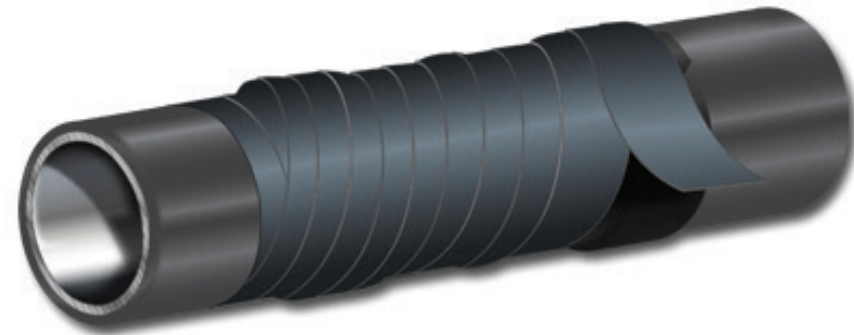


GTS-PP can be combined with the patented IntelliCOAT™ system, providing a fully automated Factory Grade™ coating system.

ScarGuard®

Composite Mechanical Protection for Directionally Drilled Pipelines

The patented ScarGuard® line of products is designed to protect field joint and mainline coatings from the mechanical stresses and scarring associated with horizontal directional drilling (HDD), boring and micro-tunneling of pipelines. ScarGuard® is a composite abrasion resistant overcoat comprised of fiberglass cloth and pre-impregnated flexible resin that is activated by water and cured within minutes. This sacrificial outer laminate system protects pre-approved anticorrosion field joint coatings and mainline coatings such as FBE, liquid epoxies, shrink sleeves, and tapes. The ScarGuard® line of products minimizes the need for costly repairs after pull back, and provides robust protection of the underlying pipeline coating. U.S. Patent #8522827



BURY, BORE OR DRILL WITH CONFIDENCE

- Provides unparalleled protection against impact, abrasion, gouge, punctures and tears that may result from directional drilling, rough handling, native backfills or severe in-service conditions

CURE OPTIONS FOR ANY ENVIRONMENT

- Fast cure, slow cure, UV-Curable, UV-Resistant – all available options to suit a wide range of project cycle time requirements and construction conditions

NON-SHIELDING

- Suggested voltages for high-spark voltage testing as per NACE SP0188 pass through ScarGuard® to ensure the anticorrosion coating can be tested for integrity after pull-through and protected for the lifetime of the asset.

FAST, EASY INSTALLATION

- ScarGuard® products are simply wrapped onto the existing coatings surface and activated by water. Pre-impregnated moisture cured polyurethane resin means - no field mixing or saturation required!

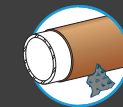
APPLICATIONS



Onshore Pipelines



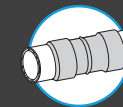
Offshore Pipelines



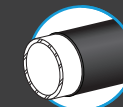
Abrasion Resistant Overcoat (ARO)



HDD, Drilling and Boring



Girth-Weld Joints



Mainline Coating Protection





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