

INNOVATIVE

FIELD JOINT COATING TECHNOLOGIES

IntelliCOAT™



FACTORY GRADE

FIELD APPLIED COATINGS

The IntelliCOAT™ system

IntelliCOAT™ represents the next generation of field-application equipment and is now ready for use with the complete range of Canusa-CPS heat-shrinkable sleeves.

IntelliCOAT™ was developed by Canusa-CPS's experienced technical personnel and provides significant benefits to contractors and clients by incorporating decades of coatings and field experience into the system design. Canusa-CPS is now able to offer a complete package including leading coating solutions that can be field-applied using an automated process.

Quality

IntelliCOAT™ allows the finished pipeline asset to benefit from a seamless anti-corrosion system with factory grade quality for the entire length of the pipeline, with no compromise on the field joints. Programmable control systems allow a project-specific recipe to be developed for each and every unique project - qualified in advance of construction and then put into practice.

Consistency

IntelliCOAT™ offers contractors and clients the unique opportunity to have each and every heat-shrinkable sleeve applied in an identical manner – with heating intensity, time and sequence all tightly controlled. Operators simply lower IntelliCOAT™ onto the pre-positioned sleeve, and the system takes care of the rest, minimizing all possible sources of variation.

Productivity

The use of IntelliCOAT™ allows the contractor to precisely forecast the daily production of field joints, without reliance on operators to conduct any labour-intensive work steps. The application time per joint is pre-set at the qualification stage so production can proceed on schedule.

Project execution

The IntelliCOAT™ system can be operated by trained and experienced Canusa-CPS personnel as part of a turnkey solution or supplied as part of a lease package, with our supervisory staff, to be operated by the contractor, to suit the intended pipeline construction scheme. The overall benefits of quality, consistency, productivity and safety are all achieved through use of the IntelliCOAT™ system.

Bringing factory quality to the field

Canusa-CPS is the industry leader in the area of field-applied coatings for corrosion protection and thermal insulation of pipelines. Our products have been successfully used on many of the world's largest, longest and most technically demanding projects – both onshore and offshore.

We have a long and well documented history of technical innovation, investment in research and introduction of novel solutions that continue to be successfully employed throughout the pipeline industry.

The introduction of the IntelliCOAT™ system, the world's first fully-automated system to control the application of heat-shrinkable sleeves, is Canusa's latest contribution to the advancement of coating technology for the pipeline industry. IntelliCOAT™ provides a step-change enhancement in the quality, consistency and productivity of field-applied coatings by means of automation. By combining this technology with the capabilities of our existing products, which have performance standards in line with 3LPE and 3LPP parent coatings, Canusa-CPS is able to offer a field joint coating system with factory grade performance and quality control features.



Technical summary

Pipe size	4-60 inches OD
Compatible sleeve widths	Up to 900 mm
Electrical power supply	Standard diesel generator/local power main
Electrical power rating	Variable to suit pipe size
Heating panel configuration	Modular for quick repair/replacement
Controls configuration	Programmable logic controller (PLC) with panel view display
Supervision and maintenance	Supplied by Canusa-CPS



PLC controlled heating



Ultra responsive, zone specific heating

Coating field joints with consistency and speed

Key features & benefits

- Automated heating system with one touch, push button operation
- Quick and consistent cycle time with instant heat-up and cool-down
- Controlled shrinking from the centre to the outer edges to provide a superior bond to the cutback and mainline coating
- PLC-controlled application procedure regulates heat, intensity and time
- Pre-programmed algorithms for sleeve type, pipe size and ambient conditions
- Repeatable, high-quality application on every joint
- Multiple heating zones across sleeve width and around pipe circumference
- Enclosed heating design minimizes wind effects and improves worker safety
- Robust and reliable system for maximum field friendliness in harsh working conditions
- Invented by Canusa-CPS. Patent protected



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Canusa-CPS is registered to ISO 9001:2008