



Intertherm[®] 898 CSA

temperature and corrosion protection

Delivering
Solutions through
Global Experience

- 2-Component barrier coating offering heat and corrosion protection -265°F to 1050°F (-165°C to 565°C)
- Offers protection across the entire temperature range so reducing specification complexity
- Single coat high build coating system - 1 coat 7 mils (175 microns)
- Offers protection against corrosion under insulation (CUI)
- Offers corrosion protection during shut down maintenance periods
- Designed for new construction piping
- Improves fabrication production throughput
- Application using standard spray equipment



Complexity

Designing a process system or plant is a complicated business with large numbers of pipe spools operating at different temperatures. Trying to fabricate, segregate and coat these items in a pipe fabrication yard can be a complex, time consuming and costly affair.

Intertherm 898 CSA

As part of the exclusive market leading Intertherm CSA range; Intertherm 898 CSA offers the solution to reducing the complexity in coating selection. Instead of categorizing paint systems by temperature range and using different paint systems in each range Intertherm 898 CSA makes it possible to specify one product from cryogenic service temperatures -265°F (-165°C) through to some of the highest temperatures pipework is likely to experience 1050°F (565°C).

A single film layer 7mils (175µm) provides high levels of corrosion protection from -265°F (-165°C) up to +1050°F (+565°C) due to the flexibility of the patented resin system.

The Intertherm 898 CSA out performs traditional high heat systems in terms of anti-corrosive performance and out performs traditional corrosion resistant systems as it offers performance at higher temperatures.

Designed for the externals of all types of steel piping operating at constant temperatures Intertherm 898 CSA offers corrosion protection of both insulated and un-insulated pipe and can be an integral tool in combating CUI. For un-insulated surfaces the coating has a high UV resistance and will not deteriorate in sunlight.

This reduction in coating complexity offers many benefits from straight forward reduction in cost in terms of factory throughput and also the more intangible, but equally important, reduction in selection errors and reduced workload due to simplification of specification.

Applied using standard cold spray techniques negates any requirements for specialist application machinery reducing cost. The application of a single high build coat will increase factory throughput leading to time savings. The Intertherm 898 CSA cures at ambient temperatures and so removes the need for stoving as required by some coatings.

+1050
-265

898
IT ALL
ADDS UP

Test Data

Test Type	Reference	Specification Details	Typical Result
Atmospheric Exposure	Exterior exposure at coastal location (ISO12944; C5-M environment) ambient cure	1x 7 mils (175µm) dft applied directly to Sa2½ (SSPC-SP10) blasted steel ambient cure.	No film defects and an average of <1mm rust creep at the scribe following 18 months exposure
Continuous Elevated Temperature	5 weeks at 1050°F (565°C), natural cooling to ambient temperature, then 7 days in prohesion	1x 7 mils (175µm) dft applied directly to Sa2½ (SSPC-SP10) blasted steel	No blistering, rusting or cracking following test procedure

The above performance data has been compiled based on present experience of in-service product performance and upon performance data obtained under laboratory test conditions. Actual performance of the product will depend upon the conditions in which the product is used.

Intertherm 898 CSA is part of International Paint's global product range and as such can be sourced locally around the world while still offering the same high level of product quality and support. A worldwide network of highly trained staff located close to our customers' provides high levels of service, whether during the specification, selection or application of the Intertherm 898 CSA.

For further information on Intertherm 898 CSA please contact your local representative or International Paint at protectivecoatings@internationalpaint.com

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