

## Product Description/ Specification

CoolMet® is an innovative PVDF (Poly Vinylidene Fluoride) exterior painted jacket for insulated pipelines. CoolMet focuses on 2 most important thermal properties, high Emissivity and high Reflectivity to ensure lower resultant surface temperature. Apart from the radiative properties, CoolMet also exhibits exceptional weather resistance, abrasion and corrosion resistance along with high resistance to chemical attack, which makes this the best choice as painted external jacket. The finished product is a 1.5 mil paint system. Underside of metal is coated with a polyester paint, other paint systems based on the project specification can also be applied.

Standard CoolMet is produced in grey, other colours are available on request.

Most common base metals are Series 300, Stainless Steel and Aluminium, other metals are available as per project specification.

Corrugated, embossed and other profiles are also available in CoolMet®

Property	Specification	Performance
Emissivity	ASTM E 1933 99A	0.9>
Resistance to Cracking (T - Bend)	EN 13523 - 7	1.0T on HDG Without Removal
Resistance to Solvent (MEK)	EN 13523 - 11	150 double rubs
Scratch Resistance	ISO 1518:2000	2.9 kg
Weathering, colour retention	ASTM D 2244	4 years 45 degrees subtropical exposure 45 Degrees
Weathering, chalk resistance	ASTM D 4214	4 years 45 degrees subtropical exposure 45 Degrees
Salt Spray Test	ASTM B 117	1000 hrs 0-5 creep
Humidity	ASTM D 2247	0-1 cut edge creep (1000 hrs)

### Safety:

There are no known health risks in handling stainless steel, although it is recommended that gloves must be worn in case of sharp edges. Good lifting technique should always be followed when handling these products.

For more details on safety, please refer to MSDS available on our website.

