




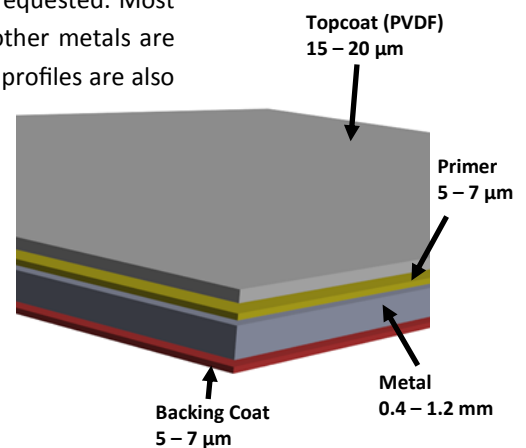
## Material Data sheet

**CoolMet® Insulation Jacketing** is an exterior painted jacket for insulated pipelines. CoolMet uses an innovative PVDF (Poly Vinylidene Fluoride) paint system which focuses on improvement of 2 most important thermal properties, Emissivity and Reflectance to ensure maximum heat radiation away from the surface resulting in lower surface temperature. Along with from excellent 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 metal jacket in applications like oil and gas processing and transportation, petrochemical plants, power stations and for any jacketing applications in highly corrosive environments.

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

CoolMet is also available with a range of options for the underside of the jacketing:

-  Polyester paint or other paint systems based on the specification
-  DryMet moisture barrier to prevent galvanic corrosion of the jacketing
-  SoundMet acoustic insulation for effective noise insulation



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)



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