

Fact Sheet

Product Description/ Specification:

DryMet® Insulation Jacketing is a metal jacket with a factory applied heat laminated moisture barrier on the underside in compliance with ASTM C1767/ASTM C1729 . The moisture barrier isolates the jacketing material from other layers of insulation, avoiding any metal-to-metal contact to prevent any form of corrosion of the jacketing and the metal pipe.

DryMet is preferred on all types of metal jacketing including Stainless steel, Aluminium, Galvanised steel, Aluzinc and Aluminised steel to provide superior corrosion resistance to the system.

DryMet® is specified in all mechanical thermal insulation applications including pipe, tanks, equipment, chemical and oil/ gas for hot as well as cryogenic insulation.

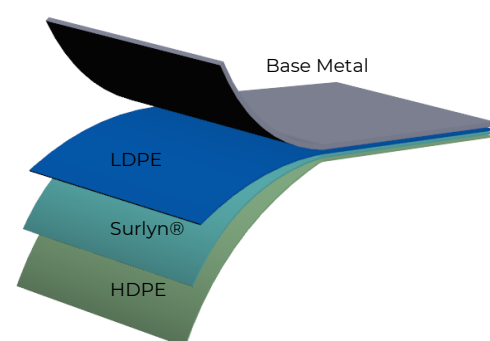
Moisture Barrier:

BS Stainless has developed the moisture barrier in collaboration with DuPont™. It is a 76 µm (3 mil) thick, three layer coextruded system factory laminated onto the metal without the use of any adhesive.

The layers consists of 25.4 µm (1mil) each of a high density polyethylene (HDPE), Surlyn™ and a Low Density Polyethylene (LDPE). Three layers prevent alignment of pinholes and thus, do not allow any pinholes through the entire film.

The lamination is done in-house on the manufacturing machine designed and developed by BS Stainless Limited.

DryMet moisture barrier prevents the jacketing from all forms of corrosion including galvanic, pitting, crevice and stress corrosion cracking to improve the life expectancy and efficiency of the insulation piping.



PROPERTY / TEST METHOD	RESULT	STANDARD VALUE
Film Thickness (ASTM D6988)	3 mil (0.076 mm)	3 mil (0.076 mm)
Material Thickness	0.01" (0.3mm) - 0.06" (1.5 mm)	
Pinholes (ASTM C1729 / ASTM C1767)	0	< 4 / 50 ft2
Water Vapour Transmission Rate (ASTM F1249)	0.048	< 0.1g/100 in – day
Maximum exposure temperature (long term)	185 °F(85 °C)	-
Maximum exposure temperature (short term)	203 °F(95 °C)	-