



Aluminum Sheet coated with Moisture Retarders:

Aluminum is Non brittle metal , hence it does not break or crack during after erection. Also it has excellent corrosion –resistance in almost all kind of environment even in highly corrosive industrial environment.

Layer of plastic film or other material applied to the inner side of metal jacketing to inhibit jacket corrosion by interfering with the formation of a galvanic cell between the dissimilar metal of the pipe and jacket or by preventing crevice corrosion.

Aluminum With Poly Kraft Coating: A multilayer composite film used as s moisture retarder on metal jacketing consisting of at least one layer of minimum 40 LB Kraft Paper and one or more layers of plastic film, usually polyethylene at a minimum thickness of 1.5 mils.

The above moisture retarders can be applied to aluminum, stainless, AZ 60 galvalume, galvanized and aluminized steel. The intended purpose of applying a moisture retarder is to provide additional protection and prevent the migration of moisture to the metal. It acts as a mechanical protection to prevent corrosion of the interior surface to the metal jacketing.

Aluminum Sheet coated with Polysurlyn : A multilayer film used as a moisture retarder on jacketing consisting of at least one layer of acid copolymer surlyn and one or more layers of other polymers, usually polyethylene.

| Physical Property Of Polysurlyn Moisture Barrier And ASTM Test Method | Value | ASTM Requirement. | C1729 |
|---|--------------------|-------------------|-------|
| Total Film Thickness, D 6988, Mils(μm) | 3 mil (76) | 3 mil (76) | |
| Pinholes, C1729, number per 50 ft ² | 0 | <5 | |
| Water Vapor Transmission Rate F1249, 0/100% r. h., 73 ^o F (g/100 in ^d – day) | 0.048 ^d | <0.1 | |
| Water Vapour Transmission Rate F1249, 0/100% r. h. , 100 ^o F (g/100 in ^d – day) | 0.19 ^d | - | |



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| PARAMETERS | DESCRIPTION |
|----------------------|---|
| Alloy And Temper | 120 GSM Coating, Temper – Cs |
| Visual Inspection | Heat Lamination With 80 Microns (3 Mil) PSMR Without Pin Holes Random Check |
| PSMR Peel Off Test | - |
| Thickness | 0.91 / 0.71 / 0.56 MM |
| Width | 1220 / 914 MM |
| Moisture Barrier | 75 Microns Polysurlyn Film |
| Material Description | Aluminum Plain Coil Laminated with 3 Mil Polysurlyn Coating |