

DESCRIPTION

ITW's ULTROLON® aluminum jacketing is comprised of DuPont's Tedlar® polyvinyl fluoride (PVF) film laminated to .016" or .020" aluminum, utilizing a special thermal setting adhesive to insure that delamination will not occur during or after field fabrication or application.

Tedlar®'s unique weathering, mechanical, and chemical properties make it ideal for insulation protection in salt and/or sand storm environments as well as many harsh chemical areas.

Standard color is white. Other colors or metal thicknesses are available, but may require minimum quantities and extended lead times.

Ultrolon® is available in standard roll form, pre-fabricated, and 1-1/4" and 2-1/2" deep corrugated sheets.

USES

Ultrolon® insulation jacketing is currently in use in chemical plants, petrochemical plants and refineries, pulp and paper mills, salt water areas, sandstorm environments, and other heavy industrial sites where resistance to all forms of chemical abuse is required. It is also U.S.D.A. approved for application in food processing areas.

ADVANTAGES

Ultrolon® insulation jacketing can be used in many areas, such as salt environments, where stainless steel is not recommended. It provides better protection than painted aluminum, yet provides the same emittance values (gray - .81), and a much longer service life than aluminum. The Tedlar® PVF film is laminated to the metal by a special process which facilitates field fabrication without fear of delamination.

CHEMICAL RESISTANCE

Tedlar® PVF film is pinhole-free and resists all common acids, alkalis, salts, solvents, hot tars, greases, oils, and other substances which erode other surfaces and finishes (*see chemical resistance chart on back of page*). Edge protection must be provided to insure complete chemical resistance.

WEATHER RESISTANCE

Tedlar® PVF film exhibits no change in physical properties after 32 years continuous exposure to weathering.

ABRASION RESISTANCE

Ultrolon® jacketing provides exceptional resistance to abrasion. Chipping, cracking and peeling are virtually non-existent. The Tedlar® PVF film will absorb most forms of impact with no effect, even at temperatures below 0°F.

FLAME RESISTANCE

Tedlar® PVF film will not readily burn or support combustion. It will not contribute significantly to the danger associated with fire in industrial environments.

COLOR RETENTION

Tedlar® PVF film resists fading and chalking. It exhibits superior resistance to ultraviolet degradation, tough stains, and paint marks (*see stain resistance chart on back page*).