

ALUMINUM BEVELS

WEATHERJACS®



PRODUCT DESCRIPTION

Ideal Products' Aluminum WeatherJac® bevels are produced from 1100 series Aluminum, meeting ASTM B-209 standards. 1100 aluminum alloy is among the commercially pure wrought family (1000 or 1xxx series). With a minimum of 99.0% aluminum, it is the most heavily alloyed of the 1000 series. It is also the mechanically strongest alloy in the series. At the same time, it keeps the benefits of being relatively lightly alloyed (compared to other series), such as high electrical conductivity, thermal conductivity, corrosion resistance, and workability.

WeatherJac® bevels are precision-formed in a state of the art; computer controlled hydraulic press, which produces a formed one pieced, hinged cap complete with stamped sizing labels and an extended 1.5" collar. All WeatherJac® bevels are dimensionally formed in conformance to ASTM C-585 and C450 tolerances. WeatherJacs® come with a factory applied; heat cured, clear polyester or acrylic or coating on the interior for a high performance moisture barrier. The same coating is also applied to the exterior to help resist oxidation and corrosion.

PRODUCT APPLICATION

WeatherJac® bevels are designed for cladding various terminations and penetrations. Fittings shall be secured by the use of strapping, screws, or rivets. The amount of straps, screws or rivets, is dependent on the size of the fitting. For the best protection it is recommended that appropriate joint sealant be used on all overlaps when installing WeatherJacs®.

For more specific guidelines to aluminum cladding for insulation, please refer to ASTM C1729.

For applications where maximum corrosion resistance, elevated temperatures, or fire ratings are required, Ideal Products stainless steel bevels should be used.

MATERIAL DETAILS

FINISHES

SMOOTH PLAIN MILL

Generally a standard finish with a clean smooth look, while also best suited for water shed and ease of cleaning the surface. Smooth surfaces however, can readily show dirt or damages especially in an exposed environment. Smooth finishes can be highly reflective of sunlight and could pose issues in areas where this may be a concern.

STUCCO EMBOSSED

This finish is rapidly becoming more popular as the stucco like surface texture can hide imperfections like scratches and small damages that are commonly found in high traffic areas, or caused by general installation, and handling of the product. The stucco finish is a considerable alternate when looking for reduction of reflectivity, and added strength in a cost effective manner.

COLORS

A large variety of colored exterior finishes can be added to Ideal Products WeatherJacs® to enhance the appearance of the finished product. Please contact your local representative for color availability.

PRODUCT COMPLIANCES SUMMARY

ASTM B 209	Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate	Conforms
ASTM C 585	Standard Practice for Inner and Outer Diameters of Thermal Insulation for Nominal Sizes of Pipe Tubing	Conforms
ASTM C 450	Standard Practice for Fabrication of Thermal Insulating Fitting Covers for NPS Piping, and Vessel Lagging	Conforms
ASTM C1729 5.1.2.3; 5.1.3.3; 10.5.1	Standard Specification for Aluminum Jacketing for Insulation Grade 3, Alloy 1100, Dead Soft Temper Class D, Painted Moisture Barrier Pre-Formed Fittings	Conforms
ASTM C1729 10.5.2.2	Grade 3; Thickness, 0.024"(0.6mm)	Conforms

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