



REFLECTIVE WHITE LIGHTING SHEET

TECHNICAL DATA

A Technical Data Sheet

PRODUCT DESCRIPTION

Alcoa's Reflective White products have been specifically designed to meet the needs of the lighting sheet industry, and you can choose the desired formability and reflectivity to meet your exact requirements. Combining our aluminum processing expertise with our in-depth knowledge of the lighting market, we provide painted products that stand up to the demanding needs of interior fluorescent lighting applications. Alcoa starts with one of our specialized aluminum substrates, then applies a flexible thermoset polyester paint system. The result is two products that can accommodate a variety of metal working practices. White 91 is a premium product providing the highest reflectivity and formability for the most demanding applications. White 90 is designed for less stringent requirements where lower formability and reflectivity is acceptable.

WHITE 91 SPECIFICATIONS

Total Reflectance (1).....	91 min.
Cross Hatch Test	Pass, no tape pickoff
OT Bend Test	Pass, no obvious fracturing or blistering of paint, no tape pickoff
Dry Heat (325° F, 2 min.)	Pass, no tape pickoff of paint at 180° OT bend

(1) Technidyne Corporation TR-1 or TR-2 Total Reflectometer, ASTM E 1651-94.

Typical Mechanical Properties

Ultimate Strength.....	23 ksi
Yield Strength.....	20 ksi
Elongation, % in 2".....	3

(specimen 1/16" thick)

WHITE 90 SPECIFICATIONS

Total Reflectance (1).....	90 min.
Cross Hatch Test	Pass, no tape pickoff
IT Bend Test.....	Pass, no obvious fracturing, no tape pickoff

(1) Technidyne Corporation TR-1 or TR-2 Total Reflectometer, ASTM E 1651-94.

Typical Mechanical Properties

Ultimate Strength.....	24 ksi
Yield Strength.....	21 ksi
Elongation, % in 2".....	3

(specimen 1/16" thick)

MAINTENANCE

No on-going maintenance is required except periodic cleaning of accumulated dirt and dust on fixtures. White 91 and White 90 may be cleaned with a mild liquid detergent in warm water. Synthetic sponges or soft cloths should be used in the cleaning and drying operations to minimize deformation of the surface. Abrasive cleaning agents or brushes are not recommended.

PRODUCT AVAILABILITY

White 91 and White 90 Lighting Sheet are available for delivery in coil from Alcoa Mill Products' processing plant in Lancaster, PA. Mill minimum is 35,000 lbs. Please call for current pricing.

For fast, flexible service please contact your Alcoa Sales Representative.

PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ALCOA MILL PRODUCTS

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