



Product Specification Data

maxmetal™ 6 MM

Description

MAX-metal™ 6mm is an aluminum composite material, engineered with two pre-painted sheets of .21mm aluminum bonded to a solid polyethylene core. What sets MAX-metal™ 6mm apart from other MAX-metal™ products is the .21mm thickness of the aluminum face and the thicker polyethylene core. Despite the increased thickness, MAX-metal™ 6mm is still light in weight and is more durable than MDO and aluminum.

Product Properties

Weight (Kg/m ²)	6.19
Water Absorption % by volume	0.01
Thermal Performance R Values	0.0057
Core Composition	Polyethylene
Flammability	ASTM E 84 Class 1/Class A

Panel Dimensions

Panel Thickness (mm)	6
Aluminum Thickness (mm)	0.2
Standard Sizes:	4' x 8'

Dimensional Tolerances

Thickness (mm)	-0 + 0.2
Width (mm)	±2
Length (mm)	±3
Diagonal (mm)	±5
Thermal Expansion	2.4mm/m @ 100°C Temp Difference
Aluminum Thickness (mm)	±0.02

Product Code

MM846MW	White
MM846MBK	Black

Surface Properties

Paint Thickness (micron)	20
Pencil Hardness	>HB
Toughness of Coating	3T
Temperature Resistance	-50°C to +80°C
Impact Strength (kg cm ²)	42
Boiling Water Resistance	Boiling for 2 hours without change
Acid Resistance	Immersed surface in 2% HCl for 24hrs without change
Alkali Resistance	Immersed surface in 2% NaOH for 24hrs without change
Oil Resistance	Immersed surface in 20# engine oil for 24hrs without change
Solvent Resistance	Cleaned 100 times with Dimethylbenzene without change
Cleaning Resistance	>1000 times without change
Peel Strength	>5 Newton/mm

Statement of Practical Use

We believe the information on this product to be accurate. However, since we cannot anticipate or control the conditions under which this information or our products may be used, we cannot guarantee results obtained through their use. Tests of our products should be made by users to determine the suitability of these products for a specific purpose. The products are sold without warranty, either express or implied. The purchaser should refer to Grimco, Inc's price list for terms and conditions of sale, including disclaimer of warranties and limitation of liability.

