



Product Specification Data

maxmetal™ 6 MM

Description

MAX-metal™ 6mm is an aluminum composite material, engineered with two pre-painted sheets of .3mm aluminum bonded to a solid polyethylene core. What sets MAX-metal™ 6mm apart from other MAX-metal™ products is the .3mm 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/m²) | 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) | .03 |
| Standard Sizes: | 4'x 8' |

Dimensional Tolerances

| | |
|-------------------------|----------------------|
| Thickness (mm) | -0 + .03 |
| Width (mm) | ±2 |
| Length (mm) | ±3 |
| Diagonal (mm) | ±5 |
| Thermal Expansion | 2.4mm/m @ 100°C Temp |
| Aluminum Thickness (mm) | Difference ± .003 |

Surface Properties

| | |
|--------------------------|---|
| Paint Thickness (micron) | 20 |
| Pencil Hardness | >HB |
| Toughness of Coating | 3T |
| Temperature Resistance | -50°C to +80°C |
| Impact Strength (kg cm²) | 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.