



**Style • Elegance • Durable**

performance par excellence...

# αAlphabond



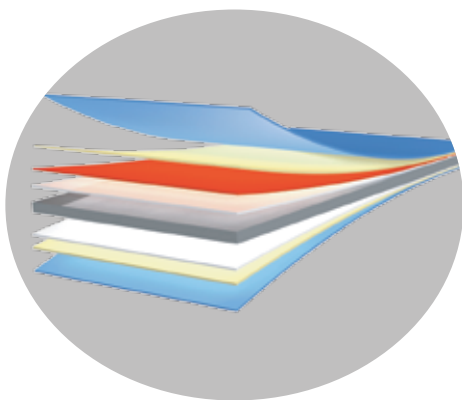
## INTRODUCTION

Alphabond is a composite material made of aluminium and polyethelene with unique features of high rigidity and excellent flatness.

This composite material consists of two layers of aluminium skin with a thermoplastic core sandwiched between two skins of aluminium in a continous co-extrusion process.

Alphabond is produced in the UAE and is being supplied all over the world.

## PRODUCT COMPOSITION



- Surface Finish - PVDF / HDPE / PE
- Epoxy Resin Primer
- Chromate Treatment
- Aluminium Skin
- PE Core
- Aluminium Skin
- Chromate treatment
- Service Coat

## ALPHABOND FEATURES

- FLATNESS
- RIGIDITY
- COLOR UNIFORMITY
- WORKABILITY
- WEATHER RESISTANCE
- LIGHT WEIGHT

## PANEL DIMENSIONS

STANDARD WIDTH	1250mm
AVAILABLE WIDTH	1000 mm, 1500mm,
STANDARD LENGTH	3200 mm
AVAILABLE LENGTH	Custom order upto 6000 mm
AVAILABLE THICKNESS	3mm , 4mm
AVAILABLE SKIN THICKNES	0.3mm, 0.5mm



External Cladding



Ceilings & Interiors



Column Cladding



Signages



Transportation



Exhibition Stands

## PANEL TOLERANCE

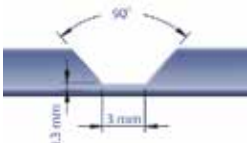
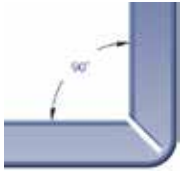
LENGTH	$\pm 4$ mm
WIDTH	$\pm 2$ mm
THICKNESS	$\pm 0.2$ mm upto 4 mm, $\pm 0.3$ mm upto 6 mm
BOW (LENGTH AND OR WIDTH)	Maximum 0.8%
SQUARENESS	Maximum 5 mm
SKIN THICKNESS	$\pm 0.05$ mm as per EN 485-4



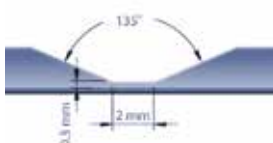
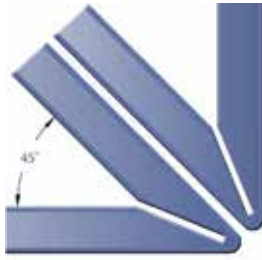




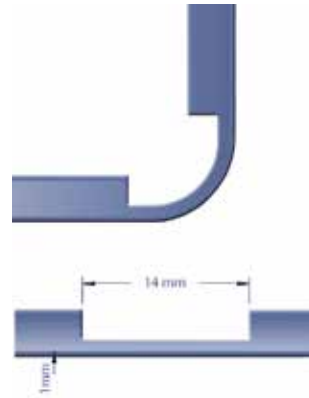
# Alphabond Folding & Routings



V-Shaped Groove for 90 ° folding



V-Shaped Groove for 45 ° folding



Bull nosed groove for foldings upto 150 °

# Alphabond Fixing Methods



Bolted Fixing



Method of Panel Lamination



Exposed Riveted Fixing



Mechanical Fixing



Free Suspended Fixing



Silicone Butt Joint





