

MASTERIMPACT® is supplied with a recessed edge for flush jointing and is available in standard nominal size of 6mm/9mm/12mm thick x 1220mm wide x 2440mm long. A maximum size of 1260mm wide x 3100mm long is available upon request.

It should be noted that the values stated in the follows are average values of the MASTERIMPACT® product obtained under normal conditions, and may subject to change without prior notice. Always consult Intumex Asia Pacific for more specific details.

### PHYSICAL PROPERTIES

Density (at EMC)	Nominal 1300 kg/m <sup>3</sup>
Value of pH (resistant to dilute chemicals, brine, chlorine etc)	11
Moisture content (at EMC)	10% by weight
Moisture movements:	
● Normal to oven dry)	1.30 mm/m
● Normal to saturated	0.60 mm/m
Water absorption capacity	30% by weight
Thermal expansion	$6 \times 10^{-6}$ m/m <sup>o</sup> K
Thermal conductivity (at 20 to 300°C)	0.35 W/m <sup>o</sup> K
Thermal shrinkage (at 4 hours/500°C):	
● Length/Width	0.56%
● Thickness	0.78%
● Weight loss	10.50%
Resistance to continuous freezing	-30°C
Resistance to continuous heating	150°C
Biologically resistant to attack from insects or vermin, including wood boring insects e.g. termite. Also resistant to rot and fungal.	
Compatible with most common building materials, non-caustic and will not promote corrosion. Unanodised aluminium should be protected when indirectly contacted. Does not require alkali resisting primers.	

### MECHANICAL PROPERTIES

Bending strength (oven dry):	
● Lengthwise	12 N/mm <sup>2</sup>
● Widthwise	9 N/mm <sup>2</sup>
Bending modulus (oven dry):	
● Lengthwise	9500 N/mm <sup>2</sup>
● Widthwise	7500 N/mm <sup>2</sup>
Delamination strength (air dry)	1 N/mm <sup>2</sup>
Screw retention strength* (self-tapping screws 5 x 32mm)	980 N (average)

\*For reference only; as the retention strength may vary depending on types of screw used.

### FIRE RESISTANCE

Combustibility (tested to BS 476: Part 4)	Non-combustible
Building regulations classification	Class 0
Surface spread of flame (tested to BS 476: Part 7)	Class 1
Fire performance (tested to AS 1530: Part 3):	
● Ignition index	0
● Flame spread index	0
● Heat evolved index	0
● Smoke developed index	0

### HEALTH & SAFETY

MASTERIMPACT® is formulated without asbestos or any other inorganic fibres. When using power saws or sanders in a confined space, a dust extraction equipment is recommended to control the dust levels. MASTERIMPACT® is not loadbearing. Please contact Intumex Asia Pacific for more details on health and safety data sheets.

Intumex Asia Pacific has always been committed to the highest standards of quality. Our MASTERIMPACT® board manufacturing and production systems operate under a rigorous quality management system, independently certified as complying with BS EN ISO 9000. This provides specifiers, contractors and end users with an independent assurance of our continuous quality control of production.

#### Intumex Asia Pacific

#### HONG KONG

Room 1011, C.C. Wu Building  
302-308 Hennessy Road  
Wanchai  
Tel: +852 2895 0265  
Fax: +852 2576 0216

#### AUSTRALIA

Unit 1, 175 Briens Road  
Northmead, NSW 2152  
Tel: +61 (2) 9683 2872  
Fax: +61 (2) 9630 0258

#### SINGAPORE

10 Science Park Road  
#03-14 The Alpha  
Singapore Science Park II  
Singapore 117684  
Tel: +65 6292 7888  
Fax: +65 6294 2576

Email: [info@intumex-ap.com](mailto:info@intumex-ap.com)

[www.intumex-ap.com](http://www.intumex-ap.com)

an **Etex** GROUP company

Your local supplier