

Product Specification

maiColour Core

SECTION 1:

Product and Company Identification

MANUFACTURER:

Maica Laminates Sdn Bhd
5100, Lorong Mak Mandin 5
Mak Mandin Industrial Estate
13400 Butterworth, Penang, Malaysia.

MANUFACTURER'S EMERGENCY CONTACT:

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PRODUCT DESCRIPTION:

maiColour Core (maiCC) is a high pressure decorative laminate product of 1.0mm thick with single-sided decorative surface and homogeneous core which matches the colour of the decorative surface. maiCC complies with EN438-9, with the exception of Resistance to Boiling Water which meets the NEMA Standard.

maiCC is suitable for use in horizontal and vertical applications. There are three finishes available: Texture, Matte and High Gloss.

maiCC makes joining of edges easy without the need of edge bands.

SECTION 2:

Inspection requirements

SPECIFICATIONS: GENERAL INSPECTION REQUIREMENTS:

Viewing distance	Approximately 150 cm.
Light conditions	Intensity 800 – 1000 lux over the whole area.
Light type	Overhead white fluorescent lights, of colour temperature approximately 5000 K.

SPECIFICATIONS: INSPECTION REQUIREMENTS OF COLOUR, PATTERN AND SURFACE FINISH:

Colour and Pattern	When inspected in daylight or D65 standard illuminant, and under tungsten illuminant, there shall be no significant difference between the corresponding colour or pattern reference sample held by the supplier and the specimen under test.
Surface Finish	When inspected at different viewing angles, there shall be no significant difference between corresponding surface-finish reference sample held by the supplier and the specimen under test.

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SECTION 2:

Inspection requirements (continued)

SPECIFICATIONS: VISUAL INSPECTION

Dirt, spots and similar surface defects	Max. 1 mm ² /m ² and is proportional to the sheet size. Total admissible area of contamination may be concentrated in one spot or dispersed over an unlimited amount of smaller defects.
Fibres, hairs and scratches	Max. 10 mm/m ² and proportional to the sheet size. Total admissible length of contamination may be concentrated in one spot or dispersed over an unlimited amount of smaller defects.
Edge quality, e.g. moisture marks, lack of gloss, corner damage	Can be present on all 4 edges of the laminate, provided the defect-free length and width are at least the nominal size minus 20 mm.
Reverse side	Shall be suitable for adhesive bonding (e.g. sanded). In the case of sanded backs, slight chatter marks are allowed.

SPECIFICATIONS: DIMENSIONAL TOLERANCES:

Property	Test method (EN 438-2:2005, clause no.)	Unit	Values
Thickness	5	mm (max.)	0.5 mm ≤ t ≤ 1.0 mm : ± 0.10 mm 1.0 mm < t < 2.0 mm : ± 0.15 mm (t = nominal thickness)
Flatness ^{a)}	9	mm/m (max.)	60.0 mm/m
Length and Width ^{b)}	6	mm	- 0 / + 10.0 mm
Straightness of edges ^{b)}	7	mm/m (max.)	1.5 mm/m
Squareness ^{b)}	8	mm/m (max.)	1.5 mm/m

- a) Provided the laminates are stored in the manner and conditions recommended by the manufacturer, they shall comply with the flatness requirements specified in the above table when measured in accordance with EN 438-2, Clause 9.
- b) Tolerances for cut-to-size panels shall be agreed between supplier and customer.

SECTION 3:

Alphabetical Classification System

First letter	B (Coloured core laminate)
Second letter	T (Thin laminate < 2 mm)
Third letter	S (Standard Grade)

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SECTION 4: maiColour Core General Requirement

Property	Test method (EN 438-2: 2005, clause no.)	Property or attribute	Unit (min. or max.)	Values BTS
Resistance to Surface Wear	10	Wear Resistance	Revolutions (min.) Initial point Wear value	150 350
Resistance to water vapour	14	Appearance	Rating (Min) Gloss finish Other finishes	3 4
Resistance to Dry Heat (180°C)	16	Appearance	Rating (min.) Gloss finish Other finishes	3 4
Dimensional Stability at Elevated Temperature	17	Cumulative Dimensional Change	% (max.) L ^{a)} T ^{b)}	0.80 1.40
Resistance to Scratching	25	Force	Rating (min.) Gloss finish Other finishes	2 3
Resistance to Staining	26	Appearance	Rating (min.) Groups 1 & 2 Group 3	5 4
Lightfastness (Xenon Arc)	27	Contrast	Grey scale rating	Surface: 4 ^{c)} Core: 3 ^{c)}
Resistance to Cigarette Burns	30	Appearance	Rating (min.)	3
Density	EN ISO 1183-1	Density	g/cm ³ (min.)	1,40

- a) L = in the longitudinal (or machine) direction of the fibrous sheet material (normally the direction of the longest dimension of the laminate).
- b) T = in the cross-longitudinal (cross-machine) direction of the fibrous sheet material (at right angles to direction L).
- c) Extraneous darkening and/or photochromism are due to the shock effect of accelerated exposure and are not characteristics of natural exposure.

Property	Test method (NEMA June 20, 2005, clause no.)	Property or attribute	Unit (min. or max.)	Values BTS
Boiling water resistance	3.5	Rating	NE (No effect)	NE

Maica Laminates Sdn Bhd declares that the mentioned product will meet the above specifications when determined according to the given standards.