



M/C BOND

Premium Aluminium Composite panel



DIPRODUKSI SESUAI STANDARD KUALITAS TERTINGGI OLEH PABRIK BERAKREDITASI INTERNASIONAL ISO9001 & ISO14001



M/C BOND Premium Aluminium Composite panel

fitur ALUMINIUM COMPOSITE



EKONOMIS & INSTALASI MUDAH



KETAHANAN BENTURAN TINGGI



KETAHANAN TERHADAP CUACA



PERAWATAN MUDAH



RAMAH LINGKUNGAN



MENYERAP SUARA



PERMUKAAN HALUS DAN ANEKA WARNA

CAP DISTRIBUTOR:

M/C BOND Premium Aluminium Composite panel

No Test Item	Standard Index	INDOOR (PE)	OUTDOOR (PVDF)	Test Value	Single Item
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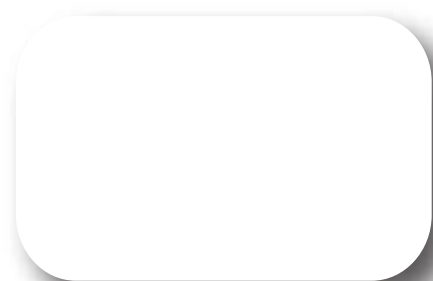
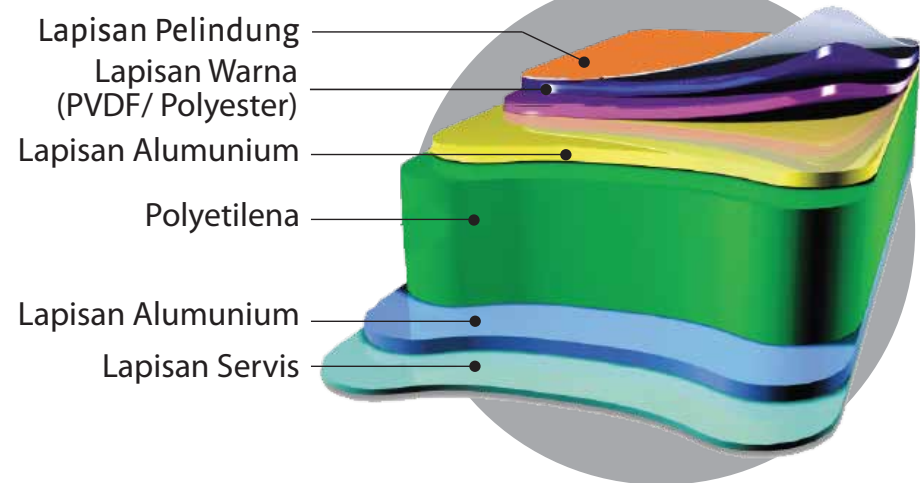
01	vestige coating omit	indistinct	indistinct	high class	not allowed	pass
	ripples	not allowed	no	high class	not allowed	pass
	rubbles ≤ < 10mm	not allowed	no	high class		
	flaw ≤ < 3mm	≤ 3pcs/m ²	no	high class		
	abrasion	not allowed	no	high class	not allowed	pass
	scratch	not allowed	no	high class	not allowed	pass
02	total number of abrasion & scratch	not allowed	0	high class	no	pass
	aberration	indistinct	indistinct	high class	no	pass
	length	+/- 3mm	0 ~ +1.5mm	eligible	+/- 3mm	pass
	width	+/- 2mm	-0.4mm ~ +1.2mm	eligible	+/- 2mm	pass
	thickness	+/- 0.2mm	0.02 ~ 0.08mm	eligible	+/- 0.2mm	pass
	squareness	≤ 1mm/m	0.3mm/m	eligible	≤ 1mm/m	pass
03	edge unstraightness	≤ 5mm/m	1.2mm/m	eligible	≤ 5mm/m	pass
04	coating thickness	min => 16µm	18µm	eligible	avg => 25µm, min => 23µm	pass
	gloss tolerance	≤ 10 gloss < 70	2.5; gloss 29.1	eligible	≤ 10	pass
05	pencil hardness	≥ HB	3H	eligible	≥ HB	pass
06	coating flexibility	≤ 3T	2T	eligible	≤ 2T	pass
07	coating adhesive	not lower than class 1	1 class 1	eligible	0 class 0, 1 class 1	pass
08	impact resistance	50kg/cm	50kg/cm	eligible	≥ 50kg/cm	pass
		no depaneling	no depaneling	eligible	no depaneling	pass
09	boiling water resistance	no crack	no crack	eligible	no crack	pass
10	acid resistance	no change	no change	eligible	no abnormality	pass
11	alkaline resistance	no change	no change	eligible	no abnormality ΔE ≤ < 2	pass
12	oil resistance	no change	no change	eligible	no change	pass
13	solvent resistance	no change	no change	eligible	no change	pass
14	scrub resistance	≥ 10000, no change	10000, no change	eligible	no base exposed	pass
15	face density	+/- 0.5kg/m ²	3.88 kg/m ²	-		
16	bending strength	≥ 60 Mpa	73.8MPa	eligible	≥ 2X 10 ⁴ Mpa	pass
17	bending elastic modulus	≥ 1.5 x 10 ⁴ Mpa	2X 10 ⁴ Mpa	eligible	≥ 7KN	pass
18	penetrating resistance	≥ 5KN	5KN	eligible	26.8MPa	pass
19	shearing strength	≥ 20MPa	21MPa	eligible		
20	180degree peel strength	≥ 5N/mm	6.07N/mm	eligible		
21	temperature difference resistance	no change	no change	eligible		
22	thermal expansion coefficient	≤ 4 x 10 ⁻⁵ C ⁻¹	1.05 X 10 ⁻⁵ C ⁻¹	eligible	≤ 4X10 ⁻⁵ C ⁻¹	pass
23	heat distortion temperature	≥ 95 C	104 C	eligible	≥ 95C	pass
24	peel strength				106C	pass
25	decrease rate of peel strength				avg => 130N/mm/mm, min => 120N/mm/mm	pass
26	coating adhesion				≤ 10%	pass
27	appearance				0 class 0, 1 class 1	pass
28	4000h salt spray resistance				no change	pass
29	colour uniformity				≤ 1, 5 grade 1	pass
30	degradation of gloss				≤ 4	pass
31	others				≤ 2, 5 grade 2	pass
					0 grade 0	pass

Conclusion According to GB/T 17748-1999, all the tested items are satisfied with high class

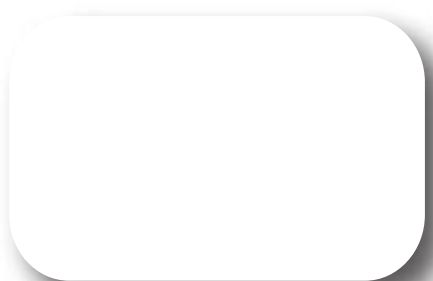
According to GB/T 17748-2008, all the tested items are satisfied with requirements of two coating systems

spesifikasi STANDARD

Tebal [4mm]
 Ukuran standar [1220mm x 2440mm]
 Lapisan luar [PVDF, Polyester]



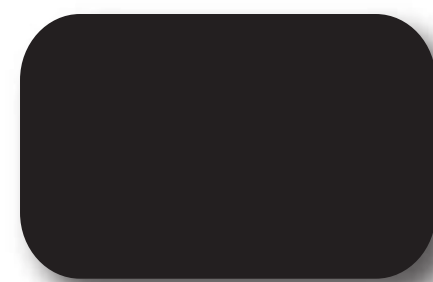
● MC-801 PURE WHITE (PE, PVDF)



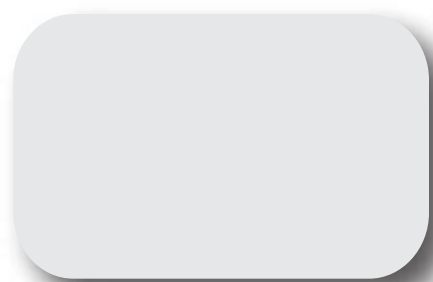
● MC-802 IVORY WHITE (PE)



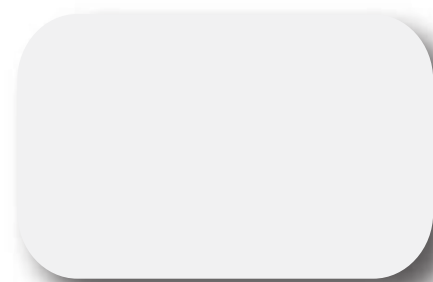
● MC-803 BLACK (PE, PVDF)



● MC-804 METALLIC BLACK (PE)



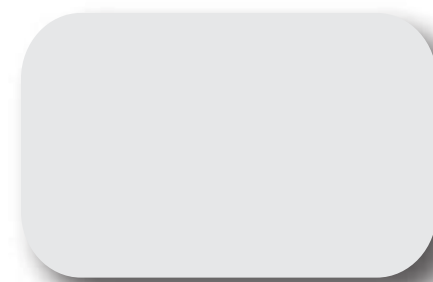
● MC-805 METALLIC SILVER (PE, PVDF)



● MC-806 BRIGHT SILVER (PE, PVDF)



● MC-807 GREY (PE)



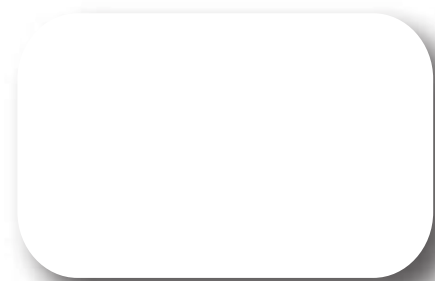
● MC-808 LIGHT GREY (PE)



● MC-809 GREY RAL (PE)



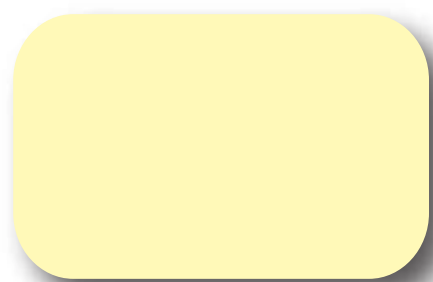
● MC-810 ORANGE (PE, PVDF)



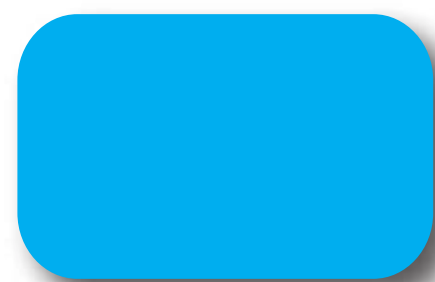
● MC-811 DARK ORANGE (PE)



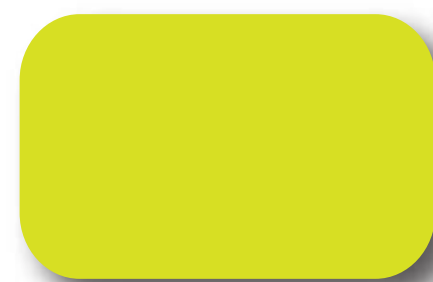
● MC-812 CHINA RED (PE, PVDF)



● MC-813 LEMON (PE, PVDF)



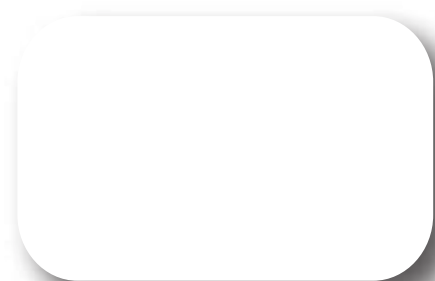
● MC-814 SEA BLUE (PE, PVDF)



● MC-815 LIGHT GREEN (PE)



● MC-816 DARK GREEN (PE)



● MC-901 WHITE GLOSS (PE)



● MC-902 BLACK GLOSS (PE)



● MC-903 RED GLOSS (PE)



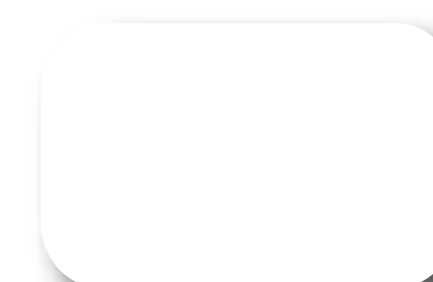
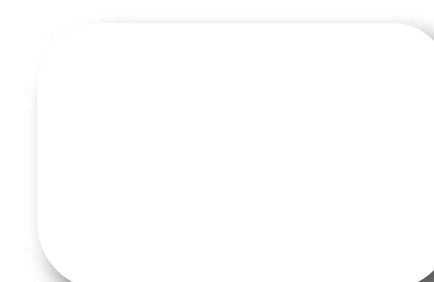
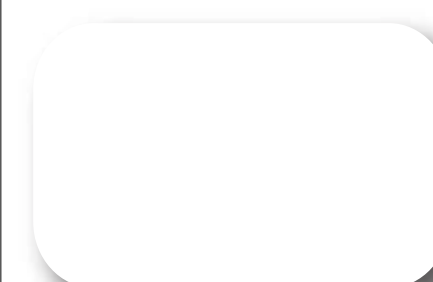
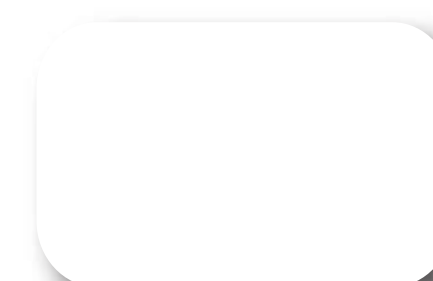
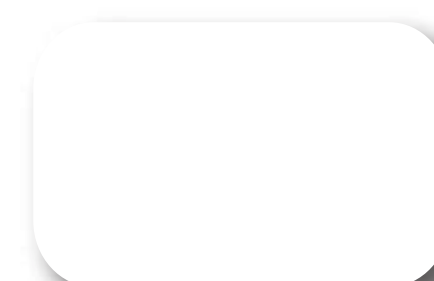
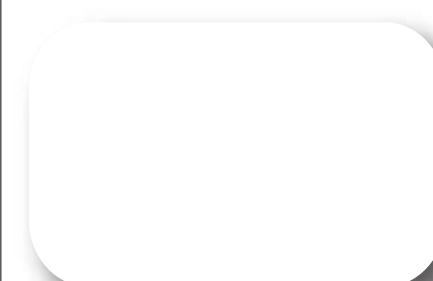
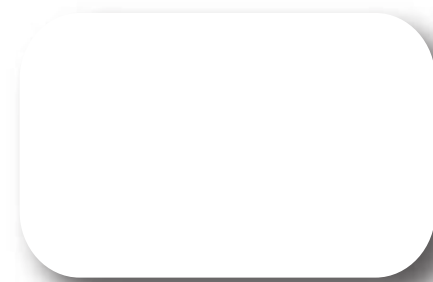
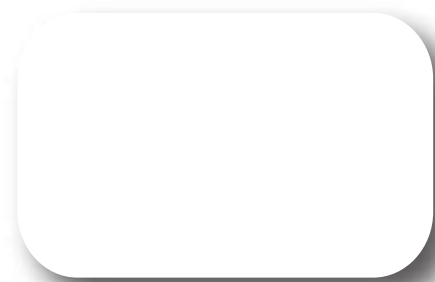
● MC-904 YELLOW GLOSS (PE)



● MC-905 BLUE GLOSS (PE)



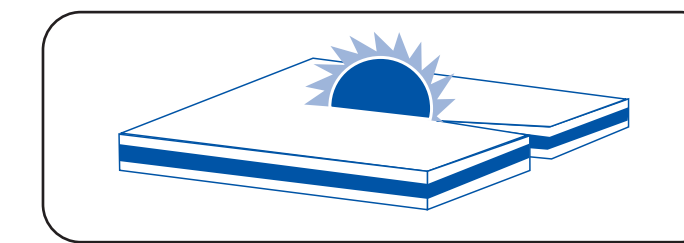
● MC-906 GREEN GLOSS (PE)



METODE Pengerjaan

Pemotongan Dengan Gergaji

MC Bond® dapat dipotong menggunakan gergaji kayu atau besi. Dianjurkan memakai pisau "hard alloy".



Grooving

Penting: Saat melakukan V Grooving, sisakan 0.2 mm-0.4 mm bahan polyetilena + 1 lapisan alumunium
 Rekomendasi sudut V Grooving: 100°

