

DATASHEET

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BRAND & PRODUCT PHOTO									
PRODUCTS NAME	ALUMINIUM COMPOSITE PANEL								
SIZE & THICKNESS	1220*5000MM * 3MM * 0.12MM								
COMPOSITION	ALUMINIUM / POLYETHYLENE PLASTIC /ALUMINIUM								
CORE MATERIALS	LIGHT WEIGHT RECYCLE UNBREAKABLE POLYETHYLENE PLASTIC								
COATING	PE (POLYESTER) COATING								
LINER (AVOIDING DAMAGE)	PROTECTIVE FILM ON TOP SIDE OF PANELS								
CHARACTERISTICS	HIGH PERFORMANCE AND DURABILITY								
DURABILITY INSIDE AND OUTSIDE	PE COATING 3~5 YEARS OUTSIDE SIGNABOARD ;10 YEARS INSIDE								
LENGTH (MM)	± 3~6 MM								
WIDTH (MM)	± 1~3 MM								
PANEL THICKNESS(MM)	± 0.05MM								
ALUMINUM THICKNESS(MM)	± 0.02MM								
PRODUCTS DENSITY	3.6 KGS/ SQM								
ALUMINUM ALLOY	AA1100H18 & 24								
CHEMICAL COMPOSITION OF ALUMINUM ALLOY	Al	Si	Fe	Mn	Cr	Mg	Ni	Zn	Ti
	99.00	0.2739	0.58426	0.0083	0.07443	0.0093	0.00846	0.01645	0.0259
TECHNICAL DATE									
TEST ITEMS	STANDARD						TEST RESULT		
COATING THICKNESS	PE : AVERAGE ≥ 16 MICRON						17 MICRON		
PENCIL HARDNESS	≥ HB						2H		
GLOSSY TOLERANCE	≥10						6		
COATING FLEXIBILITY	≤ 3T						2T		
COATING ADHESION	≥ 1 GRADE FOR 10*10MM 2 GRIDDING TEST						1 GRADE		
IMPACT RESISTANCE	≥ 20KGS CMNO DEPAINTING.NO CRACK						NO CRACK		
BOILING WATER RESISTANCE	2 HRS WITHOUT CHANGE						NO CHANGE		
POLLUTION RESISTANCE	≤ 5%						2.80%		
SOLVENT RESISTANCE	100 TIMES WITH DIMETHLBENZENE WITHOUT CHANGE						NO CHANGE		
ACID RESISTANCE	IMMERSED SURFACE IN 2% NaOH FOR 24 HRS WITHOUT CHANGE						NO CHANGE		
OIL RESISTANCE	IMMERSED SURFACE IN 20# ENGINE OIL FOR 24HRS WITHOUT CHANGE						NO CHANGE		
HEAT DISTORTION TEMPERATURE	≥ 85 °c						100 °c		
PEEL STRENGTH	0.12MM ALU.SKIN REQUEST >2.8						3.0		