



ISO 9001



شركة فازه الصناعية
Fazah Industrial Company

ذات مسذولية محدودة رأس المال المدفوع: عشرة مليون ريال سعودي

(MATERIAL DATA SHEET) (PRODUCT:FAZAH BOND FR")

S.N	TEST DETAILS	UNIT	STANDERD USED	RESULT	REMARKS
FAZAH BOND FR CLASS "A"					
A. Physical Properties					
1	Length	Mm		5600 ± 2.0	
2	Width	Mm		1220,1250,1560	
3	Thickness of ACP	Mm		4 mm up to 8 mm	
4	Thickness of Top Alum Coil	Mm		0.4 ± 0.10 mm	
5	Thickness of Bottom Alum Coil	Mm		0.4 ± 0.10 mm	
6	Weight of the Panel	Kg/M2		7.5 KGS/M2	
B. Mechanical Properties (For ACP)					
1	Tensile Strength	MPa	SASO-2752 ISO.527-2	≥ 57 MPa	
2	Flexural Strength	MPa	SASO- 2752 ISO.178:2010	149.2 MPa	
3	Elongation	%		≥ 7.1	
4	Peel Off Strength		SASO- 2752 ISO 8510.2.204	12.6 N/mm	
5	Shear Strength by Punch		ASTMD 732-17	34.4 MPa	
6	Panel Density			1.89	
C. Mechanical Properties (For Skin)					
1	Tensile Strength	N/Mn ²	ASTM- E8	≥ 179	
2	Modulus Of Elasticity	N/Mn ²	ASTM- E8	70000	
3	Elongation	MPa	ASTM- E8	≥ 8	
D. Paint Coating Properties					
1	Coating	TYPE		PVDF	
2	Thickness Of Coating	µm	ISO 2360 : 203	26+/-2	FOR 2 COAT
			ISO 2360 : 203	36+/-2	FOR 3 COAT



www.fazah.net



ISO 9001



شركة فازه الصناعية

Fazah Industrial Company

ذات مسذولية محدودة رأس المال المدفوع: عشرة مليون ريال سعودي

3	Pencil Hardness	B/H	SASO- 2752 ISO 2812.20.7	H	
4	Impact Resistance	Kg/cm	ISO 6272 - 2011	NO CRAKING OR PEEL OFF PAINT	
5	Gloss @ 60°	%	ISO- 2813 : 2014	85° GEOMETRY :65	
6	T –Bend Test	T	ASTM D- 4145	1T	
7	Adhesion (Cross hatch) dry and wet (50° C,20 min)	B	ASTM D 2754-93	5B	
8	Taber abrasion test CS-17 Wheels, 1 kg load . 1000 cycles	Mg/1000 cycles	ASTM D4060	47	
E. Chemical Properties					
1	10% HCL , 10 Min		ASTM-D 1308	PASS NO BLISTER , CREEP AND NO RUST OBERVED	
2	20% H2SO4 , 10 Hrs		ASTM-D 1308		
3	5% NaOH , 48 Hrs		ASTM-D 1308		
4	20% HNO3 , 30 Min		ASTM-D 1308		
5	Oil Resistance , 24 Hrs		ASTM-D 1308		
6	Solvent Resistance (MEK)	DBR	ASTM-D5402		> 100 , PASS
Aluminium Alloy Chemical Composition					
1	Mn		%	1.0	3003/H24
2	Mg		%	-	
3	Si		%	0.6	
4	Cu		%	0.05	
5	Fe		%	0.7	
6	Zn		%	0.1	
7	Al		%	97.55	
F. PRODUCT CERTIFICATION (TBW)					
1	Fire Clssification		ASTM- E 84	CLASS- A	
2	Fire Clssification		BS EN 13501-1	CLASS B-S1, D0	
3	Fire Clssification		BS 476 PART 6 & 7	CLASS – 0	
4	Fire Clssification		ASTM E84	CLASS- A	
G. ACCOUSTIC PROPERTIES					
1	Sound Absorption Factor		ISO- 354	0.05	
2	Sound Transmission Loss	Db	ASTM- E90	25	
H. THEMAL PROPERTIES					
1	Thermal Resistance	M2K/W	ASTM C1363	0.040	
2	Temperature Resistance	°C	ASTM C1363	-40 TO +80	
3	Linear Thermal Expansion	Mm/m @ 100°C	ASTM D696	41.29	
4	Heat Deflection Temperature	°C	ASTM D696	113°C	



www.fazah.net