



ZHANGJIAGANG FEITENG ALUMINUM COMPOSITE PANEL CO.,LTD.

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Steel composite panel

Product description: Steel composite panel consisting of enamelled and galvanised steel cover plates on both sides and a polyethylene core inside. The plates are laminated on both sides with PE protection foil. Steel composite panel can be considered for a lot of application on account of its ferromagnetic properties in combination with an extremely high stiffness and surface hardness as well as very low thermal expansion.

Product characteristics and advantages:

Excellent resistance to bending / Outstanding dimensional stiffness/
 Very high degree of surface hardness/ Extremely low thermal expansion/
 Absolutely level surface/ Ferromagnetic

Areas of Application:

Pylons/Board advertising in sports fields/Identification systems/Transportation/Balcony systems.



Appearance :
1) Digital printing polyester paint
2) White board polyester paint

Technical Data		
Item	units	Performance Index
		3mm×0.30 Steel composite panel
180° peel strength	N/MM	≥7.0
Weight	kg/m ²	7.59
Flexural strength	MPa	≥120
Flexural Modulus	10 ⁴ MPa	≥3.5
Penetration resistance	KN	≥8
Shear strength	MPa	≥30
Thermal expansion coefficient	/°C	≤4.0×10 ⁻⁵
Thermal deformation temperature	°C	≥85
Boiling water resistance		No change
Resistance to change of temperature		No change
Stiffness equivalent to the thickness of steel veneer	mm	2.4
Flame retardant (flame retardant)	In accordance with GB8624 level B Degree Standard	

Specifications:

Thickness (mm)	Steel Thickness (mm)	Recommended Width
3	0.3/0.3	1200mm/1220mm
3	0.4/0.4	