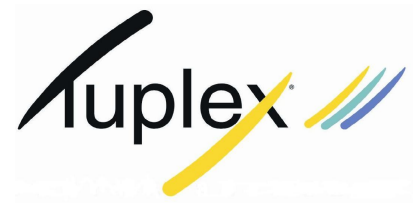
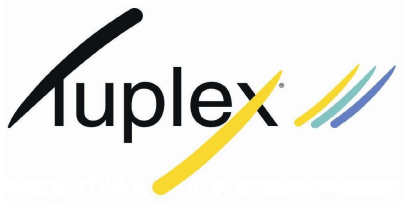


TECHNICAL INDEX & FEATURES

1. General properties

Testing item	Standard	Result
Unit weight	ASTM D792	t3mm=4.6kg/m ² t4mm=5.53kg/m ²
Outdoor temperature resistance	ASTM D1654	No abnormality
Thermal expansion	ASTM D696	1.6x10 ⁻⁵ °C ⁻¹
Thermal deformation temperature	ASTM D648	112°C
Thermal conduction	ASTM 976	0.102Kcal/m.hr°C
Flexural rigidity	ASTM C393	14.0x10 ⁵
Impact resistance	ASTM D732	1.650kgf
Adhesive strength	ASTM D903	0.85kgf/mm
Sound-insulating rate	ASTM E413	27
Flexural Elasticity	ASTM D790	4055kg/mm ²
Shear resistance	ASTM D732	2.6kgf/mm ²
Minimum bending radius	ASTM D790	45mm 70mm
Fire propagation	ASTM E84	Qualified
Smoke developed	ASTM E84	<45
Wind-pressure resistance	ASTM E330	Passed
Properties against water	ASTM E331	Passed
Properties against air	ASTM E283	Passed





TECHNICAL INDEX & FEATURES

2. PVDF coating finish

Testing item	Standard	Result
Finish coat thickness	ISO 2360(CNS 8406) ^o	26.7 μ m
Gloss	ASTM D532-89	20~60%
Pencil hardness	ASTM D3363-00	2H
Toughness	ASTM D4145-83	2T no rift
Adhesive force	ASTM 3359-97	4B
Impact resistance	ASTM D2794-93	>100kg.cm
Abrasion resistance	ASTM D968-93	64.6 L/mil
Mortar resistance	ASTM 605.2-90	24 Hrs pat test exceed
Humidity resistance	ASTM D714-97 ASTM D2247-02	3000hr Passed
Boiling-water resistance	ASTM D3359-B	Passed
Salt-spray resistance	ASTM D117-03	3000hr Passed
Acid resistance	ASTM D1308-87 AAMA 605.2-91,TEST#7,7.31	No Effect
Alkali resistance	ASTM D1308-87	Passed
Solvent resistance	ASTM D2248-73 ECCA T5&NCCA NO.11-18	Passed
Color retention	ASTM D2244-93	$\Delta E=0.86$
Chalk resistance	ASTM D4214-98	No Chalking
Gloss retention	ASTM D2244-93	89%

