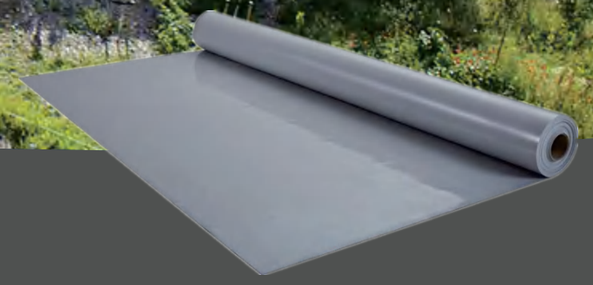
PVC

Flexible Roofing Membrane



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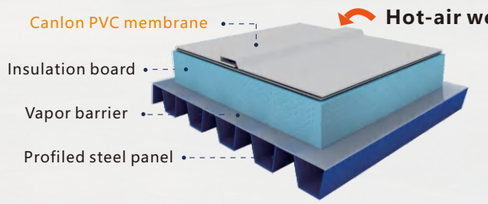
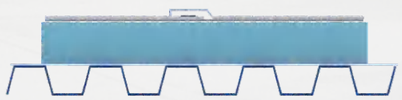
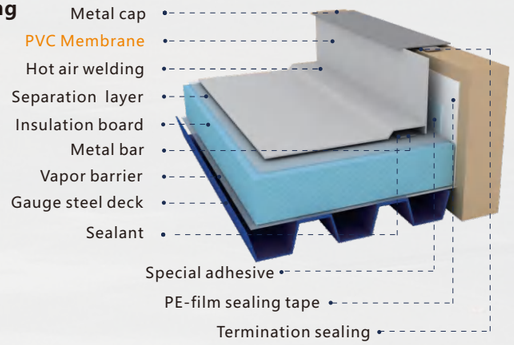
CANLON PVC ROOFING MEMBRANE

Based on latest formulation and made of UV-resistant polyvinyl chloride resin that is mixed together with appropriate portion of plasticizer, aging agent, heat-stabilizers, filling agent and other auxiliary agents, CANLON PVC roofing membrane are molded by means of high-end one-time extruding technology and its thermoplasticity allows itself to be hot-air weldable, delivering a pliable and durable sheet with excellent weathering characteristics and resistance to harsh chemicals and industrial pollutants.





Mechanically fastened system



PRODUCT	APPLICATION	THICKNESS	COLOUR	AVAILABLE SIZES
Fleece Backed FB	Fully Adhered	1.2/1.5/2.0mm	Light grey	20m x 2.0m(with single selvedge) 20m x 2.0m(with double selvedge)
Fiber Reinforced FR	Mechanically Fixed	1.2/1.5//2.0mm	Light grey	20m x 2.0m
Smooth SM	Fully Adhered	1.2/1.5/2.0mm	Light grey	20m x 2.0m

INSTALLATION

Mechanically Fastened:(Hot-air welding ensure secure and seamless water barrier)

Brief introduction

Mechanically attached systems are best choice when weight is a consideration, when the system is to be installed during cooler weather or when a roof is being re-covered, steel roof is an optimal choice for mechanically fastened systems, especially when installing a new roofing system over a structural standing seam metal building, as the mechanical attachment is light weight and less likely to overload the highly engineered weight limits of the building. Wood and cementitious wood fiber are also very good decks for mechanically fastened systems.

Special fastening accessories or machines are indispensable(such as automatic welding machines, hand-held guns and rollers are)to secure the whole installation, the overlap joints will be welded by automatic hot-air machines so as to enhance the wind force loading capacity.

TEST RESULTS

DECLARATION OF ESSENTIAL CHARACTERISTICS				
Essential Characteristics	**Harmonsied Technical Specification**	**Performance**		
		CANLON FB	**CANLON FR**	**CANLON SM**
Watertightness	EN 1928:2001	Passed	Passed	Passed
Mass per unit area	EN 1849-2:2001	2240 g/m2	2206 g/m2	2059 g/m2
Reaction to fire	EN 13501-1+A1:2009	Class E	Class E	Class E
Joint Peel Resistance	EN 12316-2:2013	Av 566 N/50mm	Av 710 N/50mm	Av 583 N/50mm
Joint shear Resistance	EN 12317-2:2010	Av 1200 N	Av 1526 N	Av 1084 N
Tensile Strenght/Longitudinal	EN 12311-2:2013	Av 1360 N/50mm	Av 1696 N/50mm	Av 1425 N/50mm
Tensile Strenght/Transverse	EN 12311-2:2013	Av 1234 N/50mm	Av 1545 N/50mm	Av 1511 N/50mm
Elongation at rupture/Longitudinal	EN 12311-2:2013	Av 320%	Av 28%	Av 409%
Elongation at rupture/Transverse	EN 12311-2:2013	Av 316%	Av 24%	Av 385%
Resistance to impact	EN 12691:2006	0.80m	0.90m	0.80m
Resistance to static loading	EN 12730:2001	20 kg	20 kg	20 kg
Tear Resistance/Longitudinal	EN 12310-2:2001	Av 539 N	Av 643 N	Av 301 N
Tear Resistance/Transverse	EN 12310-2:2001	Av 399 N	Av 690 N	Av 296 N
Foldability at low temperature	EN 495-5:2013	-35°C	-30°C	-35°C
UV Radiation	EN 1297:2004	Grade 0 no cracks or crazes	Grade 0 no cracks or crazes	Grade 0 no cracks or crazes
External Fire Exposure	BS 476 pt3:2004	EXT F.AB	EXT F.AB	EXT F.AB