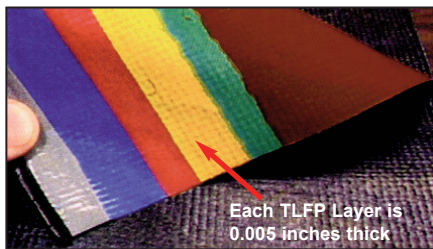
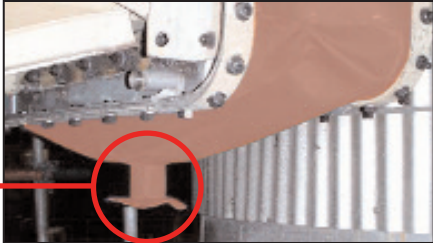


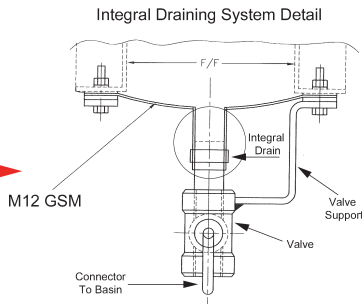
Thorburn's M12 PTFE Coated Fibre Fabric Belt comes with multi-directional, non-porous, zero porosity, PTFE corrosion barrier



Each TLFP Layer is 0.005 inches thick
TLFP laminated films have been given a different color to emphasize Thorburn's M12 multi-directional layering of the TLFP corrosion barrier.



Thorburn Integral Flexi-Duct drainage system was specifically designed to provide a solution for heavy moister laden expansion joints that periodically require drainage



Thorburn's M12 GSM is "The Ultimate in Corrosion Resistance"

Thorburn's M12 incorporates our proven TLFP™ multi-directional corrosion liner. This breakthrough technology permits the anchoring of a thick 100% PTFE, chemically inert, multi-directional corrosion barrier to the load bearing PTFE coated fiberglass fabric. The TLFP is non-porous, has zero porosity which combines to provide the ultimate in corrosion resistance while maintaining a "crackfree" flexible surface. Engineers all around the world are specifying with confidence, Thorburn's M12 GSM to contain the most challenging corrosive media.



M12 PTFE films are crossed & laminated to produce a Multi-Directional based corrosion barrier

Permeability

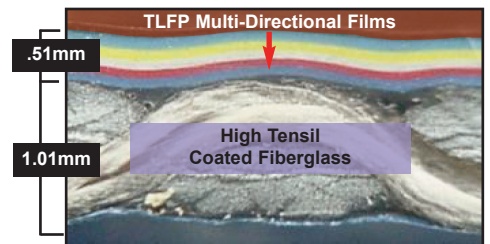
M12 GSM is non-porous and offers zero porosity to pressurized gasses.

Tensile & Flex/Fold Test

Meets the breaking strength test as per ASTM D-751; Flex/fold test in accordance with ASTM D2176 with a maximum 30 flex-fold cycles.

Thorburn M12 is thermally stable up to a MCOT of 600°F (315°C)

Thorburn's M12 composite flexible membrane is designed to withstand a maximum continuous operating temperature (MCOT) of 600°F (315°C), without additional cavity insulation. Inferior designs make the belt dependent upon the cavity insulation for their survival at higher temperatures. Thorburn's M12 has been thermally tested according to ASTM C-411 to 600°F (315°C).



M12 TLFP laminated multi-directional films form a corrosion barrier which is anchored to the coated fiberglass reinforcement. M12's high tensile fiberglass is coated with a 35-45% PTFE resin content. The high resin content allows the M12 to withstand the most demanding flu gas applications.

Thorburn's M12 Design Specifications	
Thorburn's M12 PTFE Coated Fiberglass Fabric c/w PTFE Films Laminated to 1 side	
Temperature (MCOT):	600°F (315°C)
Minimum Thickness:	0.06" (1.52 mm)
Tensile Strength-Warp : As per ASTM D-751	1200 lbs/in (5338N/25.4 mm)*
Tensile Strength-Fill: As per ASTM D-751	1200 lbs/in (5338N/25.4 mm)*
Chemical Barrier:	Multi-Directional PTFE
Chemical Barrier Thickness:	0.02" (0.51mm)
Chemical Resin Barrier Weight:	32 oz/yd ² (1085 g/m ²)
Coating :	PTFE
PTFE Resin Coating:	18 oz/yd ² (610 g/m ²)
Chemical Resistance:	Excellent
Overall Weight :	79 oz/yd ² (2679 g/m ²)
Other:	Corrosive Wet Service

*Tensile strength of 1" (25.4 mm) sample

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