



# TPP/THL OF CERTIFIED COMPOSITES

Thermal Liner	Moisture Barrier	PBI MAX® 7.0		KOMBAT™ FLEX		GEMINI™ XT		MILLENNIA™ XT		AGILITY™		ULTRA™		PIONEER™		ADVANCE™		ADVANCE™ PCA		ARMOR™ AP		ARMOR™ 7.0			
		THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP		
GLIDE ICE™ WITH NOMEX® NANO	GORE® RT7100 STEDAIR® 3000 CROSSTECH® 3-LAYER CROSSTECH® BLACK STEDAIR® GOLD	283	38.9																	292.5	40				
		281.6	39.3																		284.2	40.1			
CALDURA® WITH NOMEX® NANO	GORE® RT7100 STEDAIR® 3000 CROSSTECH® 3-LAYER CROSSTECH® BLACK STEDAIR® GOLD																								
				311.7	37.2	296.4	36.3								309.5	36									
GORE® PARALLON™		239.4	46	252.3	38.2	237.8	38.5	244.7	38.2			240.4	47.3	266.4	47.2	234	40	242.3	38.9	244.7	37.6	237.4	38.3		
GLIDE™ w/ PBI® G2	CROSSTECH® BLACK STEDAIR® GOLD	252.1	41.2	248.3	42.9	247	40.5																		
		257.3	40	259.6	41	252.8	42.7																		
QUANTUM 4i™	CROSSTECH® 3-LAYER CROSSTECH® BLACK STEDAIR® GOLD			259.4	43.5																				
		240.7	39.4	261.8	41.9	248.9	41.7																		
		230.3	37	237.3	40.3	236.7	41.7																		
GLIDE ICE™ 2-LAYER	GORE® RT7100 STEDAIR® 3000 CROSSTECH® 3-LAYER CROSSTECH® BLACK STEDAIR® GOLD	267.77	40.3			260.85	41.5	255.12	40.5			256.03	44.7	273	42.6	244.46	44.5	252.22	43	265.3	41.6	249.56	40.7		
		262	41.1	262.3	42.7	255.8	41.8	245.3	41.8			266.2	46.9	280.3	44.1	239.4	43.7	246.9	42.7	250.9	38.9	247.3	39.8		
		263.79	42.2	260.3	45.6	266.59	42.6	251.48	43.2			263.34	45.6	270.3	44.9	246.41	46.5	257.46	42.7	260.1	39.6	239.8	44.8		
		275.72	41.9	268.3	41.8	249.46	39.6	257.73	39			262.84	42.6	285.2	41.6	252.82	42.4	258.32	38.5	262.4	39.4	262.36	40.6		
		264.6	38.4	268.4	42.1	275	40.7					262.8	44.4	295.6	41.8	250.6	43.5	278.7	42.5	274.6	35.4	263	38.8		
QUANTUM 3D™ SL2i	GORE® RT7100 STEDAIR® 3000 CROSSTECH® 3-LAYER CROSSTECH® BLACK STEDAIR® GOLD			253	41.3	254.88	43.8	247.93	42.3			249.42	45.3	258	44.1	242.7	44.9	248.03	44.7						
		Quantum only available with TenCate shells		249.3	41.4	240	41.6	228.2	45.1	247.2	44.2	238.7	48.6	238.2	48.7	226.8	45.6	236.6	44.3	Quantum only available with TenCate shells		Quantum only available with TenCate shells			
				250.5	45.1	240.56	49.7	244.76	47.9			244.84	48.7	256.8	45.3	230.15	47.9	234.64	43.8						
				255.7	44.5	233.19	45.8	240.83	42.7	260.2	44.3	245	45.4	262.4	42.3	238.83	45.3	242.81	42.9						
				270.6	40.1	223.8	46.5	264.3	40.9			253.8	46.1	278.5	40.1	250.9	44.5	274.1	42						
CALDURA® SL2i	GORE® RT7100 STEDAIR® 3000 CROSSTECH® 3-LAYER CROSSTECH® BLACK STEDAIR® GOLD	252.2	38.2			259.8	42.8	252.91	40.1			264.17	43.9	267.1	41.4	256	42	255.34	43.2	268.2	38.4	247.99	40		
		246.8	39.9	250.9	40.9	250.4	40.7	227.6	42.7	259.7	41.7	242.4	44.2	249.4	47.3	229.7	42.6	242.7	43.8			232.8	42.6		
		254.13	43	256.3	42.1	253.58	41	250.83	42.4			259.29	43.7	270.6	41.2	244.38	44.5	264.11	44.9			247.85	42.5		
		283	36.3	256.1	40	246.38	40.8	262.01	38.4	272.2	43.2	250.3	42.6	281.5	40.9	250.99	41.2	242.84	38.9	259.4	35.4	252.35	39.6		
		260.8	39.3	270.1	40	258.3	36.6					256.2	39.8	294.4	37.8	242.9	39.2	251.5	39.4						
CALDURA® NPi	GORE® RT7100 STEDAIR® 3000 CROSSTECH® 3-LAYER CROSSTECH® BLACK STEDAIR® GOLD			245.88	44.7	237.21	44.2					244.59	46.7	248	45.6	233.69	45.9	239.67	46.5						
				233.9	44	223.2	42.1	215.2	46.4			224.6	45.4	243.4	42.9	220.2	49.1	223.7	45.1						
		238.07	48.5	244.1	45	235.66	48.3	228.63	47.1			226.31	48.8	240.8	48	229.89	47.5	233.41	47.5						
		243.83	43.8	254.7	44.5	237.24	41.9	239.11	44.3			236.16	46.5	248.8	43.1	241.93	44.8	248.74	45			229.95	41.6		
		245.6	43.9			222.2	43.8	213.6	45.3			242	44.1	255.3	42.2	240.5	43.7	247.1	42.3						
CALDURA® SL3i	GORE® RT7100 STEDAIR® 3000 CROSSTECH® BLACK STEDAIR® GOLD			237.95	47.7	239	43.8					236.65	51.4	268.4	45.6	230.7	47.1	233.91	49.4						
				226	46.2	232.4	49.6					230.9	49.9	268.2	43.9	227.6	48.8	224.5	48.2						
				228	45.3	232.21	39.7					239.72	50.2	268.4	44	237.59	47.6	240.81	45.1						
				240.8	43.1									286.5	43.6	260.7	46.7								
DEFENDER™ M SL2	GORE® RT7100 STEDAIR® 3000 CROSSTECH® 3-LAYER CROSSTECH® BLACK STEDAIR® GOLD	218	42.8			251.2	38.7	249.76	37.5			275.7	40.9	222.4	44.8	233.22	40.2	239.85	39			226.9	39.6		
		230.30	38.4	252.50	42.1	240.3	38.8	233.8	39.8	221	42.9	236.4	41.4	226	45.6	221.1	42.6	233.6	40.6	229.6	40.6	221.4	39.5		
				218.10	47.3	245.53	39.8	243.68	38.2			251.47	41.4	227.3	45.2	252.79	41.4	242.75	38.9					251.1	39.3
		215.70	42.6	216.30	43.1	253.95	42.7	258.5	41.7	229.3	45.1	265.2	46.5	238.1	38.9	261.81	45.7	277.85	43	226.8	38.9	255.68	35		
		229.50	42.8	247.7	42.5	246.7	40.2			243.5	44.6	236.4	40.4	242.8	41.5	256.1	40.1								
ARALITE® NP	GORE® RT7100 STEDAIR® 3000 CROSSTECH® 3-LAYER CROSSTECH® BLACK STEDAIR® GOLD	220.37	45.6			237.16	43.6	234.69	41			242.88	44.4	226.5	49.7	227.75	42.9	228.53	41.7			236.24	41.8		
		221.7	47.2	232.5	46.6	219	42.5	207.4	40.6			206.9	43.4	231.5	44.8	205.4	43.9	216.1	41.5			211.3	40.3		
				236.75	43.3	219.96	42.4					232.27	46.3	216.1	50.5	224.93	43.5	225.8	44.1					225.37	43.2
				221.11	40	230.28	42					233.24	45.5	234	46.1	229.62	44.9	235.08	43.6					229.28	39.1
		222.35	46.2			229.6	41.9	226.9	41.2			227.9	46	235.4	44.5			235	45.3						



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Thermal Liner	Moisture Barrier	PBI MAX® 7.0		KOMBAT™ FLEX		GEMINI™ XT		MILLENNIA™ XT		AGILITY™		ULTRA™		PIONEER™		ADVANCE™		ADVANCE™ PCA		ARMOR™ AP		ARMOR™ 7.0	
		THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP	THL	TPP
ARALITE® SL2	GORE® RT7100	250.9	40.9			270.51	40.7	253.09	36.6			268.29	39.9	262.3	44.2	249.27	41.6	261.51	39.1				
	STEDAIR® 3000	247.3	41.9			241.8	40.8	235.9	38.7			229.7	41	259	40.9	226.2	42.1	234.5	40.1	262.9	40		
	CROSSTECH® 3-LAYER					265.58	41.3	240.27	37.3			248.81	40.9	252.4	43.5	238.1	41.3	262.88	39.4				
	CROSSTECH® BLACK STEDAIR® GOLD	249.13	41.6			225.05	39.3	252.53	40.3			247.71	43	259.8	42.2	239.03	42.2	251.09	39.3				
ARALITE® SL3	GORE® RT7100					225.65	42.7	231.45	42			243.38	44.9	261.3	47.5	232.2	43.3	227	42.8				
	STEDAIR® 3000					214	44.1	206.5	44.4			214.2	46.9	269.9	42.5	211.3	45.8	210	43.4				
	CROSSTECH® BLACK					217.14	43.6	227.84	44.5			236.86	46.2	270.1	45	244.89	45	229.06	42.3			222	44.3
	CROSSTECH® GOLD					240.1	45.3					274.4	41.9	229	45.3								
OMNI SYNERGY® 2-LAYER	GORE® RT7100	269.82	38			275.21	39	261.71	36.9			276.47	40	271.7	39.4	270.22	40.7	260.66	39.1			262.56	37
	STEDAIR® 3000	264	39.6			262.5	38.7	248.4	37.8			255.6	38.5	277.4	39.8	236.9	42.1	256.4	39.9	251.9	40.9	237.2	37.3
	CROSSTECH® 3-LAYER					271.79	39.1	256.53	38.7			269.54	41.7	271.6	42.9	258.13	40.2	263.84	38.9			255.42	38.1
	CROSSTECH® BLACK STEDAIR® GOLD	269.82	39.2			253.43	37.5	256.72	35.8			269.26	42.7	279.3	39.3	269.25	42.8	281.67	37			268.19	35.5
Q-8	GORE® RT7100					249.14	39.8	237.88	39.8			246.82	42	211.2	40.5	249.63	43.2	242.13	41.1				
	STEDAIR® 3000					225.2	40.7	217.2	41.2			220.7	40.9	222.1	41.7	218.1	42.5	225.4	40.5				
	CROSSTECH® 3-LAYER					246.39	42.3	241.92	40.4			238.69	43.2	234	44.6	228.53	42.6	234.02	40.1				
	CROSSTECH® BLACK					215.49	41.9	226.23	41.3			228.79	43.1	221.5	42.2	227.94	39.9	233.64	39.3				



# TPP/THL OF CERTIFIED COMPOSITES

Thermal Liner	Moisture Barrier	MILLENNIA™ XTL		BRIGADE™ 750		ALUMINUM 1098		OMNI VANTAGE™	
		THL	TPP	THL	TPP	THL	TPP	THL	TPP
<b>GORE®PARALLON™</b>		253.2	35.7	258.4	39.6			250.6	39.7
<b>GLIDE ICE™</b>	<b>GORE® RT7100</b>	275	39.6	285.54	41.9			226.2	46.7
	<b>STEDAIR® 3000</b>	285.25	38.6	281.1	42.6				
	<b>CROSSTECH® 3-LAYER</b>			298.2	38.4			261.18	44.9
	<b>CROSSTECH® BLACK</b>						38.4		
	<b>STEDAIR® GOLD</b>								
<b>QUANTUM 3D™ SL2i</b>	<b>GORE® RT7100</b>	276.46	38.2	267.86	44.3	Quantum	Quantum	Quantum	Quantum
	<b>STEDAIR® 3000</b>	255.3	40	251.9	44.8				
	<b>CROSSTECH® 3-LAYER</b>	256.34	40.7	262.4	44.9				
	<b>CROSSTECH® BLACK</b>	254.7	40.6	276.15	40				
	<b>STEDAIR® GOLD</b>								
<b>CALDURA® SL2i</b>	<b>GORE® RT7100</b>			280.75	42		44.5	269.92	47.1
	<b>STEDAIR® 3000</b>	285.2	35.4	252.9	42.4		45.6	253.5	49.8
	<b>CROSSTECH® 3-LAYER</b>	290.18	36.9	271.09	43		41.8	274.78	48.5
	<b>CROSSTECH® BLACK</b>			275.75	39.2		43.2	271.56	43.9
	<b>STEDAIR® GOLD</b>			280.6	36.4			266.1	44.8
<b>CALDURA® NPI</b>	<b>GORE® RT7100</b>	260.77	36.6	265.44	44.1		45.6	250.2	50.3
	<b>STEDAIR® 3000</b>	237.1	37.3	243.9	45.5		47.9	244.5	50.3
	<b>CROSSTECH® 3-LAYER</b>	249.23	40.8	249.39	45.9			246.29	53.5
	<b>CROSSTECH® BLACK</b>	268.45	39.6	264.4	42.3		48.5	254.73	48.5
	<b>STEDAIR® GOLD</b>			265.6	40.9			266.8	48.1
<b>CALDURA® SL3i</b>	<b>GORE® RT7100</b>	279.38	37.7	265.16	46.4			253.99	52.6
	<b>STEDAIR® 3000</b>	260.8	40.6	246.4	46.5			251.2	51.3
	<b>CROSSTECH® 3-LAYER</b>	274.61	36.4	254.48	45.8		50.3	253.59	51.4
	<b>CROSSTECH® BLACK</b>						49.3		
	<b>STEDAIR® GOLD</b>								
<b>DEFENDER™ M SL2</b>	<b>GORE® RT7100</b>	232.16	36.3	253.42	40.6			259.8	43.3
	<b>STEDAIR® 3000</b>	216.6	42.6	249.5	40.3		46.7	230.9	47.5
	<b>CROSSTECH® 3-LAYER</b>	233.88	36.9	283.14	38.5			256.22	42.7
	<b>CROSSTECH® BLACK</b>	249.82	36	294.15	41.8		41.5	258.15	40.2
	<b>STEDAIR® GOLD</b>			286.4	41.7				
<b>ARALITE® NP</b>	<b>GORE® RT7100</b>	247.4	39	252.84	42.3		45.8	242.81	47.3
	<b>STEDAIR® 3000</b>	230.3	39.9	221.5	41.9		47.2	213.6	50.9
	<b>CROSSTECH® 3-LAYER</b>	228.98	41.3	242.17	42			239.65	49.6
	<b>CROSSTECH® BLACK</b>	234.05	40.1	239.07	42.9		48	241.3	41.7
	<b>STEDAIR® GOLD</b>			261.1	43.8				



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Thermal Liner	Moisture Barrier	MILLENNIA™ XTL		BRIGADE™ 750		ALUMINUM 1098		OMNI VANTAGE™	
		THL	TPP	THL	TPP	THL	TPP	THL	TPP
ARALITE® SL2	GORE® RT7100	264.42	37.7	266.83	40.5		45	270.74	43.5
	STEDAIR® 3000	248	38.3	240.7	39.7		46.9	244.1	45.6
	CROSSTECH® 3-LAYER	258.41	39.2	285.41	38.3				
	CROSSTECH® BLACK STEDAIR® GOLD	263.8	36.5	266.92	40.2		44.7	253.06	41.8
				296.5	40.3				
ARALITE® SL3	GORE® RT7100	256.4	40.8	251.15	44.1				
	STEDAIR® 3000	250.6	42.3	226.4	44.2			226.7	51.6
	CROSSTECH® BLACK	249.17	41.4	252.45	43.2		51	220.3	45.1
	STEDAIR® GOLD								
OMNI SYNERGY® 2-LAYER	GORE® RT7100			303.38	40.1			276.55	43.1
	STEDAIR® 3000			265.8	40.1		43	252.1	47.1
	CROSSTECH® 3-LAYER			293.17	39.3			282.17	44.7
	CROSSTECH® BLACK STEDAIR® GOLD			282.1	35.1		40.8	303.52	41.7
							299.4	45	
Q-8	GORE® RT7100	249.58	39.6	272.85	42.5			236.5	47.7
	STEDAIR® 3000	236.7	40.5	241.1	42.1		45.1	225	47.3
	CROSSTECH® 3-LAYER	235.1	40.8	264.77	42.3			250.5	47.9
	CROSSTECH® BLACK	237.88	38.6	236.01	39.8			237.64	41.2

There may be limited availability of composites containing STEDAIR® 4000 if the opportunity is large enough to warrant.

Please check with Customer Service for availability.