ACFoam®
Polyiso Roof Insulation

PACKAGE AND LOADING GUIDE

ATLAS

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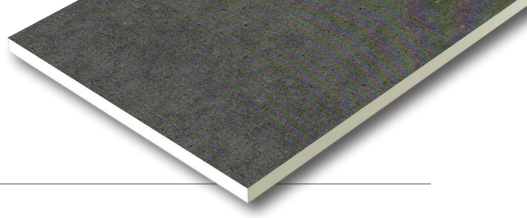


ACFoam®-II
GRF Roof Insulation

ACFoam®-II NH
GRF Roof Insulation

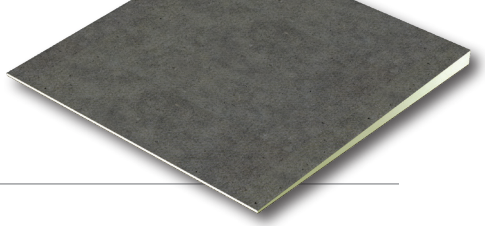
ASTM C1289 Type II, Class 1, Grade 2 (20 psi) or Grade 3 (25 psi)

CAN/ULC 704.1, Type 2, Class 2 or Type 3, Class 2

THICKNESS	THERMAL RESISTANCE		PIECES PER UNIT	SQUARE FEET PER UNIT		TRUCKLOAD QUANTITIES (SQUARES)	WEIGHT (LB/SF)	RECYCLED CONTENT		
	AVERAGE LTTR VALUE	RSI		4×8	4×4			POST CONSUMER	PRE CONSUMER	TOTAL
1.0″	5.7	1.00	48	1536	768	368.64	0.245	33.7%	19.2%	52.9%
1.1″	6.3	1.10	43	1376	688	330.24	0.259	31.9%	19.0%	50.9%
1.2″	6.8	1.20	40	1280	640	307.20	0.272	30.3%	18.7%	49.1%
1.3″	7.4	1.30	36	1152	576	276.48	0.286	28.9%	18.5%	47.4%
1.4″	8.0	1.40	34	1088	544	261.12	0.299	27.6%	18.3%	45.9%
1.5″	8.6	1.50	32	1024	512	245.76	0.313	26.4%	18.2%	44.6%
1.6″	9.1	1.61	30	960	480	230.40	0.326	25.3%	18.0%	43.3%
1.7″	9.7	1.71	28	896	448	215.04	0.340	24.3%	17.9%	42.2%
1.8″	10.3	1.81	26	832	416	199.68	0.353	23.4%	17.8%	41.1%
1.9″	10.8	1.91	25	800	400	192.00	0.367	22.5%	17.6%	40.1%
2.0″	11.4	2.01	24	768	384	184.32	0.380	21.7%	17.5%	39.2%
2.1″	12.0	2.11	22	704	352	168.96	0.394	21.0%	17.4%	38.4%
2.2″	12.6	2.21	21	672	336	161.28	0.407	20.3%	17.3%	37.6%
2.3″	13.2	2.32	20	640	320	153.60	0.421	19.6%	17.2%	36.8%
2.4″	13.8	2.42	20	640	320	153.60	0.434	19.0%	17.1%	36.1%
2.5″	14.4	2.53	19	608	304	145.92	0.448	18.4%	17.1%	35.5%
2.6″	15.0	2.64	18	576	288	138.24	0.461	17.9%	17.0%	34.9%
2.7″	15.6	2.74	17	544	272	130.56	0.475	17.4%	16.9%	34.3%
2.8″	16.2	2.85	17	544	272	130.56	0.488	16.9%	16.8%	33.7%
2.9″	16.8	2.96	16	512	256	122.88	0.502	16.5%	16.8%	33.2%
3.0″	17.4	3.06	16	512	256	122.88	0.515	16.0%	16.7%	32.7%
3.1″	18.0	3.17	15	480	240	115.20	0.529	15.6%	16.7%	32.3%
3.2″	18.6	3.28	15	480	240	115.20	0.542	15.2%	16.6%	31.8%
3.3″	19.2	3.39	14	448	224	107.52	0.556	14.9%	16.6%	31.4%
3.4″	19.9	3.49	14	448	224	107.52	0.569	14.5%	16.5%	31.0%
3.5″	20.5	3.60	13	416	208	99.84	0.583	14.2%	16.5%	30.6%
3.6″	21.1	3.71	13	416	208	99.84	0.596	13.8%	16.4%	30.3%
3.7″	21.7	3.82	12	384	192	92.16	0.610	13.5%	16.4%	29.9%
3.8″	22.3	3.93	12	384	192	92.16	0.623	13.2%	16.3%	29.6%
3.9″	23.0	4.04	12	384	192	92.16	0.637	13.0%	16.3%	29.3%
4.0″	23.6	4.15	12	384	192	92.16	0.650	12.7%	16.3%	28.9%
4.1″	24.2	4.26	11	352	176	84.48	0.664	12.4%	16.2%	28.6%
4.2″	24.9	4.38	11	352	176	84.48	0.677	12.2%	16.2%	28.4%
4.3″	25.5	4.49	11	352	176	84.48	0.691	11.9%	16.1%	28.1%
4.4″	26.1	4.60	10	320	160	76.8	0.704	11.7%	16.1%	27.8%
4.5″	26.8	4.71	10	320	160	76.8	0.718	11.5%	16.1%	27.6%

NOT INTENDED FOR USE IN SINGLE LAYER APPLICATIONS

Minimum order quantities and extended lead-times may apply. To minimize the effects of thermal bridging, Atlas Roofing Corporation strongly recommends the use of multiple layers when the total desired or specified R-value requires an insulation thickness greater than 2.7″ thick. LTTR values were determined in accordance with CAN/ULC 770.



ACFoam®-II GRF Roof Insulation

ACFoam®-II NH GRF Roof Insulation

TAPERED BOARDS

ASTM C1289 Type II, Class 1, Grade 2 (20 psi) or Grade 3 (25 psi)

CAN/ULC 704.1 Type 2, Class 2 or Type 3, Class 2

SLOPE	LABEL	THICKNESS			THERMAL RESISTANCE		BOARD FT PER PIECE	PIECES PER UNIT	BOARD FT PER UNIT	SQUARE FT PER UNIT	WEIGHT (LB/SF)	RECYCLED CONTENT		
		MINIMUM	MAXIMUM	AVERAGE	AVERAGE LTTR VALUE	RSI						POST CONSUMER	PRE CONSUMER	TOTAL
	AA	0.5″	1.0″	0.75″	4.3	0.76	12	64	768	1024	0.211	39.1%	20.0%	59.0%
	A	1.0″	1.5″	1.25″	7.1	1.25	20	38	760	608	0.279	29.6%	18.6%	48.2%
	B	1.5″	2.0″	1.75″	10.0	1.76	28	26	728	416	0.346	23.8%	17.8%	41.6%
1/8″	C	2.0″	2.5″	2.25″	12.9	2.27	36	20	720	320	0.414	19.9%	17.3%	37.2%
	D	2.5″	3.0″	2.75″	15.9	2.80	44	16	704	256	0.481	17.1%	16.9%	34.0%
	E	3.0″	3.5″	3.25″	18.9	3.33	52	14	728	224	0.549	15.0%	16.6%	31.6%
	F	3.5″	4.0″	3.75″	22.0	3.87	60	12	720	192	0.616	13.4%	16.3%	29.7%
	J	1.00″	1.75″	1.375″	7.8	1.37	22	32	704	512	0.296	27.9%	18.4%	46.3%
3/16″	K	1.75″	2.50″	2.125″	12.1	2.13	34	20	680	320	0.397	20.8%	17.4%	38.2%
	L	2.50″	3.25″	2.875″	16.6	2.92	46	16	736	256	0.498	16.6%	16.8%	33.4%
	M	3.25″	4.00″	3.625″	21.3	3.75	58	12	696	192	0.599	13.8%	16.4%	30.2%
	JJ	0.50″	1.25″	0.875″	5.0	0.88	14	52	728	832	0.228	36.2%	19.5%	55.7%
3/16″	KK	1.25″	2.00″	1.625″	9.3	1.64	26	28	728	448	0.329	25.0%	18.0%	43.0%
	LL	2.00″	2.75″	2.375″	13.6	2.39	38	18	684	288	0.431	19.2%	17.2%	36.3%
	MM	2.75″	3.50″	3.125″	18.2	3.20	50	14	700	224	0.532	15.5%	16.6%	32.2%
	X	0.5″	1.5″	1.0″	5.7	1.00	16	48	768	768	0.245	33.7%	19.2%	52.9%
1/4″	Y	1.5″	2.5″	2.0″	11.4	2.01	32	24	768	384	0.380	21.7%	17.5%	39.2%
	Z	2.5″	3.5″	3.0″	17.4	3.06	48	16	768	256	0.515	16.0%	16.7%	32.7%
	ZZ	3.5″	4.5″	4.0″	23.6	4.15	64	10	640	160	0.650	12.7%	16.3%	28.9%
	G	1.0″	2.0″	1.5″	8.6	1.51	24	32	768	512	0.313	26.4%	18.2%	44.6%
1/4″	H	2.0″	3.0″	2.5″	14.4	2.53	40	18	720	288	0.448	18.4%	17.1%	35.5%
	I	3.0″	4.0″	3.5″	20.5	3.61	56	12	672	192	0.583	14.2%	16.5%	30.6%
	RR	1.0″	2.5″	1.75″	10.0	1.76	28	26	728	416	0.346	23.8%	17.8%	41.6%
3/8″	SS	0.5″	2.0″	1.25″	7.1	1.25	20	36	720	576	0.279	29.6%	18.6%	48.2%
	TT	2.0″	3.5″	2.75″	15.7	2.76	44	16	704	256	0.481	15.0%	16.6%	31.6%
	Q	0.5″	2.5″	1.5″	8.6	1.51	24	32	768	512	0.313	26.4%	18.2%	44.6%
1/2″	QQ	2.5″	4.5″	3.5″	20.5	3.61	56	12	672	192	0.583	14.2%	16.5%	30.6%
	XX	1.0″	3.0″	2.0″	11.4	2.01	32	22	704	352	0.380	21.7%	17.5%	39.2%
	7	0.50″	0.75″	0.625″	3.6	0.63	10	76	760	1216	0.194	42.4%	20.4%	62.9%
	8	0.75″	1.00″	0.875″	5.0	0.88	14	52	728	832	0.228	36.2%	19.5%	55.7%
	1	1.00″	1.25″	1.125″	6.4	1.13	18	40	720	640	0.262	31.5%	18.9%	50.4%
1/16″	2	1.25″	1.50″	1.375″	7.8	1.37	22	32	704	512	0.296	27.9%	18.4%	46.3%
	3	1.50″	1.75″	1.625″	9.3	1.64	26	28	728	448	0.329	25.0%	18.0%	43.0%
	4	1.75″	2.00″	1.875″	10.7	1.88	30	24	720	384	0.363	22.7%	17.7%	40.4%
	5	2.00″	2.25″	2.125″	12.1	2.13	34	20	680	320	0.397	20.8%	17.4%	38.2%
	6	2.25″	2.50″	2.375″	13.6	2.39	38	18	684	288	0.431	19.2%	17.2%	36.3%

Minimum order quantities and extended lead-times may apply. To minimize the effects of thermal bridging, Atlas Roofing Corporation strongly recommends the use of multiple layers when the total desired or specified R-value requires an insulation thickness greater than 2.7″ thick. LTTR values were determined in accordance with CAN/ULC 770.

ACFoam®-II
GRF Roof Insulation

ACFoam®-II NH
GRF Roof Insulation

CODES AND COMPLIANCES

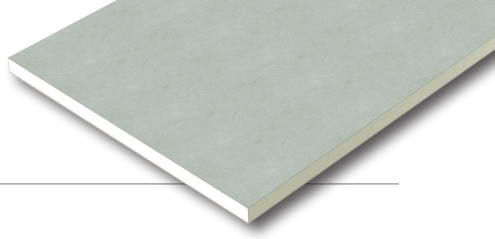
- **ASTM C1289 Type II, Class 1, Grade 2 (20 psi) or Grade 3 (25 psi)**
- **CAN/ULC 704.1, Type 2, Class 2 or Type 3, Class 2**
- **CCMC No. 12464-L**
- **UL Certified for Canada –** Insulated Roof Deck Assemblies Construction No. C38 and 52. Meet CAN/ULC-S126, CAN/ULC-S101 and CAN/ULC-S107
- **UL 1256 Classification Construction No. 120, 123 & 292**
- **UL 790 (ASTM E108)** Roofing Systems Classification
- **UL 263 (ASTM E119)** Fire Resistance Classification
- **FM 4450/4470** Refer to FM Approvals® RoofNav for Specific System Details
- **IBC Chapter 26 & NBC Sections on Foam Insulation**
- **California State Thermal Insulation Directory, T 1231**
- **Miami-Dade,** NOA No. 17-1211.05
- **Florida Product Approval,** No. FL17989
- **GREENGUARD GOLD** Certified
- **Living Building Challenge Red List Free** with Declare Label and Product Database Listing (applies to ACFoam-II NH Only)

PHYSICAL PROPERTIES

(ACFOAM-II MEETS OR EXCEEDS THE FOLLOWING PHYSICAL PROPERTIES)

PROPERTY	TEST METHOD	ASTM C1289 OR CAN/ULC 704.1 (MIN. REQUIREMENTS)
DIMENSIONAL STABILITY (LENGTH AND WIDTH)	ASTM D2126	<2%
COMPRESSIVE STRENGTH	ASTM D1621	20 psi (140 kPa) or 25 psi (172 kPa)
WATER ABSORPTION	ASTM C209	<1.5%
	ASTM C1763	<1.5%
	ASTM D2842	<3.5%
WATER VAPOR TRANSMISSION	ASTM E96	<1.5 perm (85.5ng/(Pa·s·m2)
PRODUCT DENSITY	ASTM D1622	Nom. 2.0 pcf (32.04 kg/m3)
FLAME SPREAD	ASTM E84 / UL723	*40-60
SMOKE DEVELOPMENT	ASTM E84 / UL723	*50-170
TENSILE STRENGTH	ASTM D1623	>730 psf (35 kPa)
SERVICE TEMPERATURE	-	-100°F to +250°F

**Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤75 and smoke development ≤450 meet code requirements for foam plastic roof insulation.
Physical properties listed above are presented as typical average values as determined by referenced ASTM test methods and are subject to nominal manufacturing variations.



ACFoam®-III
CGF Roof Insulation

ACFoam®-III NH
CGF Roof Insulation

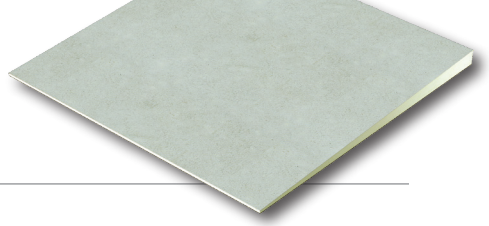
ASTM C1289 Type II, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi)

CAN/ULC 704.1 Type 2, Class 2 or Type 3, Class 2

THICKNESS	THERMAL RESISTANCE		PIECES PER UNIT	SQUARE FEET PER UNIT		TRUCKLOAD QUANTITIES (SQUARES)	WEIGHT (LB/SF)	RECYCLED CONTENT		
	AVERAGE LTTR VALUE	RSI		4×8	4×4			POST CONSUMER	PRE CONSUMER	TOTAL
1.0″	5.7	1.00	48	1536	768	368.64	0.315	–	6.2%	6.2%
1.1″	6.3	1.10	43	1376	688	330.24	0.329	–	6.5%	6.5%
1.2″	6.8	1.20	40	1280	640	307.20	0.342	–	6.9%	6.9%
1.3″	7.4	1.30	36	1152	576	276.48	0.356	–	7.1%	7.1%
1.4″	8.0	1.40	34	1088	544	261.12	0.369	–	7.4%	7.4%
1.5″	8.6	1.50	32	1024	512	245.76	0.383	–	7.7%	7.7%
1.6″	9.1	1.61	30	960	480	230.40	0.396	–	7.9%	7.9%
1.7″	9.7	1.71	28	896	448	215.04	0.410	–	8.1%	8.1%
1.8″	10.3	1.81	26	832	416	199.68	0.423	–	8.3%	8.3%
1.9″	10.8	1.91	25	800	400	192.00	0.437	–	8.5%	8.5%
2.0″	11.4	2.01	24	768	384	184.32	0.450	–	8.7%	8.7%
2.1″	12.0	2.11	22	704	352	168.96	0.464	–	8.9%	8.9%
2.2″	12.6	2.21	21	672	336	161.28	0.477	–	9.0%	9.0%
2.3″	13.2	2.32	20	640	320	153.60	0.491	–	9.2%	9.2%
2.4″	13.8	2.42	20	640	320	153.60	0.504	–	9.3%	9.3%
2.5″	14.4	2.53	19	608	304	145.92	0.518	–	9.4%	9.4%
2.6″	15.0	2.64	18	576	288	138.24	0.531	–	9.6%	9.6%
2.7″	15.6	2.74	17	544	272	130.56	0.545	–	9.7%	9.7%
2.8″	16.2	2.85	17	544	272	130.56	0.558	–	9.8%	9.8%
2.9″	16.8	2.96	16	512	256	122.88	0.572	–	9.9%	9.9%
3.0″	17.4	3.06	16	512	256	122.88	0.585	–	10.0%	10.0%
3.1″	18.0	3.17	15	480	240	115.20	0.599	–	10.1%	10.1%
3.2″	18.6	3.28	15	480	240	115.20	0.612	–	10.2%	10.2%
3.3″	19.2	3.39	14	448	224	107.52	0.626	–	10.3%	10.3%
3.4″	19.9	3.49	14	448	224	107.52	0.639	–	10.4%	10.4%
3.5″	20.5	3.60	13	416	208	99.84	0.653	–	10.5%	10.5%
3.6″	21.1	3.71	13	416	208	99.84	0.666	–	10.6%	10.6%
3.7″	21.7	3.82	12	384	192	92.16	0.680	–	10.6%	10.6%
3.8″	22.3	3.93	12	384	192	92.16	0.693	–	10.7%	10.7%
3.9″	23.0	4.04	12	384	192	92.16	0.707	–	10.8%	10.8%
4.0″	23.6	4.15	12	384	192	92.16	0.720	–	10.9%	10.9%
4.1″	24.2	4.26	11	352	176	84.48	0.734	–	10.9%	10.9%
4.2″	24.9	4.38	11	352	176	84.48	0.747	–	11.0%	11.0%
4.3″	25.5	4.49	11	352	176	84.48	0.761	–	11.0%	11.0%
4.4″	26.1	4.60	10	320	160	76.8	0.774	–	11.1%	11.1%
4.5″	26.8	4.71	10	320	160	76.8	0.788	–	11.2%	11.2%

NOT INTENDED FOR USE IN SINGLE LAYER APPLICATIONS

Minimum order quantities and extended lead-times may apply. To minimize the effects of thermal bridging, Atlas Roofing Corporation strongly recommends the use of multiple layers when the total desired or specified R-value requires an insulation thickness greater than 2.7″ thick. LTTR values were determined in accordance with CAN/ULC 770.



ACFoam®-III
CGF Roof Insulation

ACFoam®-III NH
CGF Roof Insulation

TAPERED BOARDS

ASTM C1289 Type II, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi)

CAN/ULC 704.1 Type 2, Class 2 or Type 3, Class 2

SLOPE	LABEL	THICKNESS			THERMAL RESISTANCE		BOARD FT PER PIECE	PIECES PER UNIT	BOARD FT PER UNIT	SQUARE FT PER UNIT	WEIGHT (LB/SF)	RECYCLED CONTENT		
		MINIMUM	MAXIMUM	AVERAGE	AVERAGE LTTR VALUE	RSI						POST CONSUMER	PRE CONSUMER	TOTAL
	AA	0.5″	1.0″	0.75″	4.3	0.76	12	64	768	1024	0.281	–	5.2%	5.2%
	A	1.0″	1.5″	1.25″	7.1	1.25	20	38	760	608	0.349	–	7.0%	7.0%
	B	1.5″	2.0″	1.75″	10.0	1.76	28	26	728	416	0.416	–	8.2%	8.2%
1/8″	C	2.0″	2.5″	2.25″	12.9	2.27	36	20	720	320	0.484	–	9.1%	9.1%
	D	2.5″	3.0″	2.75″	15.9	2.80	44	16	704	256	0.551	–	9.7%	9.7%
	E	3.0″	3.5″	3.25″	18.9	3.33	52	14	728	224	0.619	–	10.3%	10.3%
	F	3.5″	4.0″	3.75″	22.0	3.87	60	12	720	192	0.686	–	10.7%	10.7%
	J	1.00″	1.75″	1.375″	7.8	1.37	22	32	704	512	0.366	–	7.3%	7.3%
3/16″	K	1.75″	2.50″	2.125″	12.1	2.13	34	20	680	320	0.467	–	8.9%	8.9%
	L	2.50″	3.25″	2.875″	16.6	2.92	46	16	736	256	0.568	–	9.9%	9.9%
	M	3.25″	4.00″	3.625″	21.3	3.75	58	12	696	192	0.669	–	10.6%	10.6%
	JJ	0.50″	1.25″	0.875″	5.0	0.88	14	52	728	832	0.298	–	5.73%	5.7%
3/16″	KK	1.25″	2.00″	1.625″	9.3	1.64	26	28	728	448	0.399	–	7.95%	7.9%
	LL	2.00″	2.75″	2.375″	13.6	2.39	38	18	684	288	0.501	–	9.27%	9.3%
	MM	2.75″	3.50″	3.125″	18.2	3.20	50	14	700	224	0.602	–	10.14%	10.1%
	X	0.5″	1.5″	1.0″	5.7	1.00	16	48	768	768	0.315	–	6.20%	6.20%
1/4″	Y	1.5″	2.5″	2.0″	11.4	2.01	32	24	768	384	0.450	–	8.68%	8.68%
	Z	2.5″	3.5″	3.0″	17.4	3.06	48	16	768	256	0.585	–	10.02%	10.02%
	ZZ	3.5″	4.5″	4.0″	23.6	4.15	64	10	640	160	0.720	–	10.85%	10.85%
	G	1.0″	2.0″	1.5″	8.6	1.51	24	32	768	512	0.383	–	7.66%	7.66%
1/4″	H	2.0″	3.0″	2.5″	14.4	2.53	40	18	720	288	0.518	–	9.44%	9.44%
	I	3.0″	4.0″	3.5″	20.5	3.61	56	12	672	192	0.653	–	10.48%	10.48%
	RR	1.0″	2.5″	1.75″	10.0	1.76	28	26	728	416	0.416	–	8.21%	8.21%
3/8″	SS	0.5″	2.0″	1.25″	7.1	1.25	20	36	720	576	0.349	–	7.00%	7.00%
	TT	2.0″	3.5″	2.75″	15.7	2.76	44	16	704	256	0.551	–	10.26%	10.26%
	Q	0.5″	2.5″	1.5″	8.6	1.51	24	32	768	512	0.383	–	7.66%	7.66%
1/2″	QQ	2.5″	4.5″	3.5″	20.5	3.61	56	12	672	192	0.653	–	10.5%	10.5%
	XX	1.0″	3.0″	2.0″	11.4	2.01	32	22	704	352	0.450	–	8.7%	8.7%
	7	0.50″	0.75″	0.625″	3.6	0.63	10	76	760	1216	0.264	–	4.62%	4.62%
	8	0.75″	1.00″	0.875″	5.0	0.88	14	52	728	832	0.298	–	5.73%	5.73%
	1	1.00″	1.25″	1.125″	6.4	1.13	18	40	720	640	0.332	–	6.62%	6.62%
1/16″	2	1.25″	1.50″	1.375″	7.8	1.37	22	32	704	512	0.366	–	7.35%	7.35%
	3	1.50″	1.75″	1.625″	9.3	1.64	26	28	728	448	0.399	–	7.95%	7.95%
	4	1.75″	2.00″	1.875″	10.7	1.88	30	24	720	384	0.433	–	8.46%	8.46%
	5	2.00″	2.25″	2.125″	12.1	2.13	34	20	680	320	0.467	–	8.89%	8.89%
	6	2.25″	2.50″	2.375″	13.6	2.39	38	18	684	288	0.501	–	9.27%	9.27%

Minimum order quantities and extended lead-times may apply. To minimize the effects of thermal bridging, Atlas Roofing Corporation strongly recommends the use of multiple layers when the total desired or specified R-value requires an insulation thickness greater than 2.7″ thick. LTTR values were determined in accordance with CAN/ULC 770.

ACFoam®-III
CGF Roof Insulation

ACFoam®-III NH
CGF Roof Insulation

CODES AND COMPLIANCES

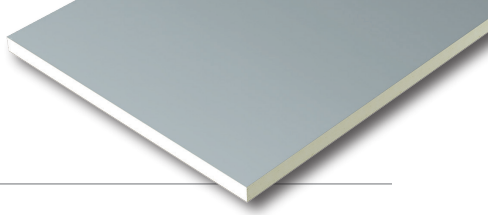
- **ASTM C1289 Type II, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi)**
- **CAN/ULC 704.1, Type 2, Class 2 or Type 3, Class 2**
- **CCMC No. 12423-L**
- **UL Certified for Canada –** Insulated Roof Deck Assemblies Construction No. C38 and 52. Meet CAN/ULC-S126, CAN/ULC-S101 and CAN/ULC-S107
- **UL 1256 Classification Construction** No. 120, 123 & 292
- **UL 790 (ASTM E108)** Roofing Systems Classification
- **UL 263 (ASTM E119)** Fire Resistance Classification
- **FM 4450/4470** Refer to FM Approvals® RoofNav for Specific System Details
- **IBC Chapter 26 & NBC Sections on Foam Insulation**
- **California State Thermal Insulation Directory, T 1231**
- **Miami-Dade,** NOA No. 17-1211.05
- **Florida Product Approval,** No. FL17989
- **GREENGUARD GOLD** Certified
- **UL 2824** Resistant to Mold Growth as Validated by UL Environment
- **Living Building Challenge Red List Free** with Declare Label and Product Database Listing (applies to ACFoam-III NH Only)

PHYSICAL PROPERTIES

(ACFOAM-III MEETS OR EXCEEDS THE FOLLOWING PHYSICAL PROPERTIES)

PROPERTY	TEST METHOD	ASTM C1289 OR CAN/ULC 704.1 (MIN. REQUIREMENTS)
DIMENSIONAL STABILITY (LENGTH AND WIDTH)	ASTM D2126	<2%
COMPRESSIVE STRENGTH	ASTM D1621	20 psi (140 kPa) or 25 psi (172 kPa)
WATER ABSORPTION	ASTM C209	<1.5%
	ASTM C1763	<1.5%
	ASTM D2842	<3.5%
WATER VAPOR TRANSMISSION	ASTM E96	<4.0 perm (228.8ng/(Pa·s·m2)
PRODUCT DENSITY	ASTM D1622	Nom. 2.0 pcf (32.04 kg/m3)
FLAME SPREAD	ASTM E84 / UL723	*40-60
SMOKE DEVELOPMENT	ASTM E84 / UL723	*50-170
TENSILE STRENGTH	ASTM D1623	>730 psf (35 kPa)
SERVICE TEMPERATURE	-	-100°F to +250°F

**Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤75 and smoke development ≤450 meet code requirements for foam plastic roof insulation.
Physical properties listed above are presented as typical average values as determined by referenced ASTM test methods and are subject to nominal manufacturing variations.



ACFoam® Supreme
Foil Faced Roof Insulation

ACFoam® Supreme NH
Foil Faced Roof Insulation

ASTM C1289 Type I, Class 1, Grade 2 (20 psi) or Grade 3 (25 psi)

CAN/ULC 704.1 Type 2, Class 1 or Type 3, Class 1

THICKNESS	THERMAL RESISTANCE		PIECES PER UNIT	SQUARE FEET PER UNIT		TRUCKLOAD QUANTITIES (SQUARES)	WEIGHT (LB/SF)	RECYCLED CONTENT		
	AVERAGE LTTR VALUE	RSI		4×8	4×4			POST CONSUMER	PRE CONSUMER	TOTAL
1.0″	5.7	1.00	48	1536	768	368.64	0.170	–	11.5%	11.5%
1.1″	6.3	1.10	43	1376	688	330.24	0.184	–	11.7%	11.7%
1.2″	6.8	1.20	40	1280	640	307.20	0.197	–	11.9%	11.9%
1.3″	7.4	1.30	36	1152	576	276.48	0.211	–	12.1%	12.1%
1.4″	8.0	1.40	34	1088	544	261.12	0.224	–	12.2%	12.2%
1.5″	8.6	1.50	32	1024	512	245.76	0.238	–	12.3%	12.3%
1.6″	9.1	1.61	30	960	480	230.40	0.251	–	12.4%	12.4%
1.7″	9.7	1.71	28	896	448	215.04	0.265	–	12.5%	12.5%
1.8″	10.3	1.81	26	832	416	199.68	0.278	–	12.6%	12.6%
1.9″	10.8	1.91	25	800	400	192.00	0.292	–	12.7%	12.7%
2.0″	11.4	2.01	24	768	384	184.32	0.305	–	12.8%	12.8%
2.1″	12.0	2.11	22	704	352	168.96	0.319	–	12.9%	12.9%
2.2″	12.6	2.21	21	672	336	161.28	0.332	–	12.9%	12.9%
2.3″	13.2	2.32	20	640	320	153.60	0.346	–	13.0%	13.0%
2.4″	13.8	2.42	20	640	320	153.60	0.359	–	13.1%	13.1%
2.5″	14.4	2.53	19	608	304	145.92	0.373	–	13.1%	13.1%
2.6″	15.0	2.64	18	576	288	138.24	0.386	–	13.2%	13.2%
2.7″	15.6	2.74	17	544	272	130.56	0.400	–	13.2%	13.2%
2.8″	16.2	2.85	17	544	272	130.56	0.413	–	13.2%	13.2%
2.9″	16.8	2.96	16	512	256	122.88	0.427	–	13.3%	13.3%
3.0″	17.4	3.06	16	512	256	122.88	0.440	–	13.3%	13.3%
3.1″	18.0	3.17	15	480	240	115.20	0.454	–	13.3%	13.3%
3.2″	18.6	3.28	15	480	240	115.20	0.467	–	13.4%	13.4%
3.3″	19.2	3.39	14	448	224	107.52	0.481	–	13.4%	13.4%
3.4″	19.9	3.49	14	448	224	107.52	0.494	–	13.4%	13.4%
3.5″	20.5	3.60	13	416	208	99.84	0.508	–	13.5%	13.5%
3.6″	21.1	3.71	13	416	208	99.84	0.521	–	13.5%	13.5%
3.7″	21.7	3.82	12	384	192	92.16	0.535	–	13.5%	13.5%
3.8″	22.3	3.93	12	384	192	92.16	0.548	–	13.5%	13.5%
3.9″	23.0	4.04	12	384	192	92.16	0.562	–	13.6%	13.6%
4.0″	23.6	4.15	12	384	192	92.16	0.575	–	13.6%	13.6%
4.1″	24.2	4.26	11	352	176	84.48	0.589	–	13.6%	13.6%
4.2″	24.9	4.38	11	352	176	84.48	0.602	–	13.6%	13.6%
4.3″	25.5	4.49	11	352	176	84.48	0.616	–	13.6%	13.6%
4.4″	26.1	4.60	10	320	160	76.8	0.629	–	13.7%	13.7%
4.5″	26.8	4.71	10	320	160	76.8	0.643	–	13.7%	13.7%

NOT INTENDED FOR USE IN SINGLE LAYER APPLICATIONS

Minimum order quantities and extended lead-times may apply. To minimize the effects of thermal bridging, Atlas Roofing Corporation strongly recommends the use of multiple layers when the total desired or specified R-value requires an insulation thickness greater than 2.7″ thick. LTTR values were determined in accordance with CAN/ULC 770.

ACFoam® Supreme
Foil Faced Roof Insulation

ACFoam® Supreme NH
Foil Faced Roof Insulation

CODES AND COMPLIANCES

- **ASTM C1289 Type I, Class 1, Grade 2 (20 psi) or Grade 3 (25 psi)**
- **CAN/ULC 704.1, Type 2, Class 1 or Type 3, Class 1**
- **CCMC No. 12422-L**
- **UL 1256 Classification Construction** No. 120, 123 & 292
- **UL 790 (ASTM E108)** Roofing Systems Classification
- **UL 263 (ASTM E119)** Fire Resistance Classification
- **FM 4450/4470** Refer to FM Approvals® RoofNav for Specific System Details
- **IBC Chapter 26 & NBC Sections on Foam Insulation**
- **California State Thermal Insulation Directory, T 1231**
- **Miami-Dade,** NOA No. 17-1211.05
- **Florida Product Approval,** No. FL17989
- **GREENGUARD GOLD** Certified
- **UL 2824** Resistant to Mold Growth as Validated by UL Environment
- **Living Building Challenge Red List Free** with Declare Label and Product Database Listing (applies to ACFoam Supreme NH Only)

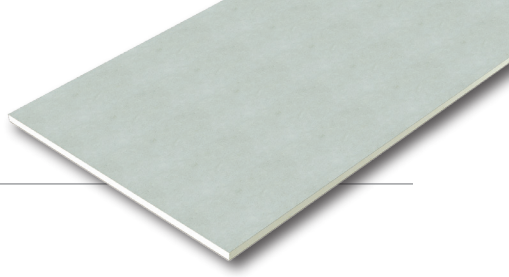
PHYSICAL PROPERTIES

(ACFOAM SUPREME MEETS OR EXCEEDS THE FOLLOWING PHYSICAL PROPERTIES)

PROPERTY	TEST METHOD	ASTM C1289 OR CAN/ULC 704.1 (MIN. REQUIREMENTS)
DIMENSIONAL STABILITY (LENGTH AND WIDTH)	ASTM D2126	<2%
COMPRESSIVE STRENGTH	ASTM D1621	20 psi (140 kPa) or 25 psi (172 kPa)
WATER ABSORPTION	ASTM C209	<0.5%
	ASTM C1763	<0.5%
	ASTM D2842	<3.5%
WATER VAPOR TRANSMISSION	ASTM E96	<0.3 perm (17.2ng/(Pa·s·m2)
PRODUCT DENSITY	ASTM D1622	Nom. 2.0 pcf (32.04 kg/m3)
FLAME SPREAD	ASTM E84 / UL723	*40-60
SMOKE DEVELOPMENT	ASTM E84 / UL723	*50-170
TENSILE STRENGTH	ASTM D1623	>730 psf (35 kPa)
SERVICE TEMPERATURE	-	-100°F to +250°F

**Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤75 and smoke development ≤450 meet code requirements for foam plastic roof insulation.
Physical properties listed above are presented as typical average values as determined by referenced ASTM test methods and are subject to nominal manufacturing variations.

ACFoam®-Recover Board
Roof Recover Board Insulation



ACFoam®-Recover Board NH
Roof Recover Board Insulation

ASTM C1289 Type II, Class 2, Grade 2 (20 psi)

CAN/ULC 704.1 Type 2, Class 2 or Type 3, Class 2

THICKNESS	THERMAL RESISTANCE		PIECES PER UNIT	SQUARE FT PER UNIT		TRUCKLOAD QUANTITIES (SQUARES)	AVERAGE WEIGHT (LB/SF)	RECYCLED CONTENT		
	AVERAGE LTTR VALUE	RSI		4×8	4×4			POST CONSUMER	PRE CONSUMER	TOTAL
0.50″	2.9	0.51	46	1472	736	706.56	0.248	–	4.0%	4.0%
0.75″	4.3	0.76	31	992	496	476.16	0.281	–	5.2%	5.2%
1.00″	5.7	1.00	23	736	368	353.28	0.315	–	6.2%	6.2%

Minimum order quantities and extended lead-times may apply. R-value based on ASTM C518. LTTR values were determined in accordance with CAN/ULC 770..

CODES AND COMPLIANCES

- **ASTM C1289** Type II, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi)
- **CAN/ULC 704.1,** Type 2, Class 2 or Type 3, Class 2
- **CCMC** No. 12423-L
- **UL 790 (ASTM E108)** Roofing Systems Classification
- **UL 263 (ASTM E119)** Fire Resistance Classification
- **FM 4450/4470** Refer to FM Approvals® RoofNav for Specific System Details
- **IBC Chapter 26 & NBC Sections on Foam Insulation**
- **California State Thermal Insulation Directory, T 1231**
- **Miami-Dade,** NOA No. 17-1211.05
- **Florida Product Approval,** No. FL17989
- **GREENGUARD GOLD** Certified
- **UL 2824** Resistant to Mold Growth as Validated by UL Environment
- **Living Building Challenge Red List Free** with Declare Label and Product Database Listing (applies to ACFoam -Recover Board NH Only)

PHYSICAL PROPERTIES

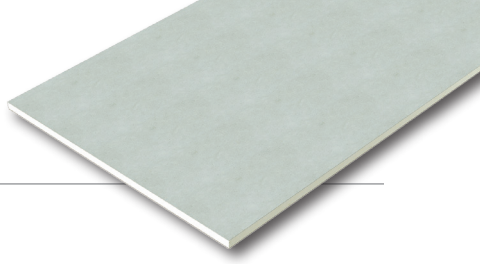
(ACFOAM RECOVER BOARD MEETS OR EXCEEDS THE FOLLOWING PHYSICAL PROPERTIES)

PROPERTY	TEST METHOD	ASTM C1289 OR CAN/ULC 704.1 (MIN. REQUIREMENTS)
DIMENSIONAL STABILITY (LENGTH AND WIDTH)	ASTM D2126	<2%
COMPRESSIVE STRENGTH	ASTM D1621	20 psi (140 kPa) or 25 psi (172 kPa)
WATER ABSORPTION	ASTM C209	<1.5%
	ASTM C1763	<1.5%
	ASTM D2842	<3.5%
WATER VAPOR TRANSMISSION	ASTM E96	<4.0 perm (228.8ng/(Pa·s·m2)
PRODUCT DENSITY	ASTM D1622	Nom. 2.0 pcf (32.04 kg/m3)
FLAME SPREAD	ASTM E84 / UL723	*40-60
SMOKE DEVELOPMENT	ASTM E84 / UL723	*50-170
TENSILE STRENGTH	ASTM D1623	>730 psf (35 kPa)
SERVICE TEMPERATURE	-	-100°F to +250°F

**Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤75 and smoke development ≤450 meet code requirements for foam plastic roof insulation.
Physical properties listed above are presented as typical average values as determined by referenced ASTM test methods and are subject to nominal manufacturing variations.

ACFoam®-HD CoverBoard

High Density Roof CoverBoard Insulation



ASTM C1289 Type II, Class 4, Grade 1 (80 psi (551 kPa) minimum, up to 110 psi (758 kPa) compressive strength)

THICKNESS	THERMAL RESISTANCE		PIECES PER UNIT	SQUARE FT PER UNIT		TRUCKLOAD QUANTITIES (SQUARES)	AVERAGE WEIGHT (LB/SF)	RECYCLED CONTENT		
	AVERAGE LTTR VALUE	RSI		4×8	4×4			POST CONSUMER	PRE CONSUMER	TOTAL
0.50″	2.5	0.44	42	1344	672	645.12	0.50	–	7.4%	7.4%

Minimum order quantities and extended lead-times may apply. R-value based on ASTM C518.

CODES AND COMPLIANCES

- **ASTM C1289 Type II, Class 4, Grade 1**
- **CAN/ULC 704.1, Type 4, Class 3**
- **UL 1256 Classification Construction** No. 120, 123 & 292
- **UL 790 (ASTM E108)** Roofing Systems Classification
- **UL 263 (ASTM E119)** Fire Resistance Classification
- **FM 4473** rated SH-1 for Servere Hail
- **FM 4450/4470** Refer to FM Approvals® RoofNav for Specific System Details
- **UL Class B** Over Combustible Decks with UL Classified Membranes
- **IBC Chapter 26 & NBC Sections on Foam Insulation**
- **Miami-Dade,** NOA No. 17-1211.05
- **Florida Product Approval,** No. FL17989
- **GREENGUARD GOLD** Certified
- **UL 2824** Resistant to Mold Growth as Validated by UL Environment

PHYSICAL PROPERTIES

(ACFOAM-HD COVERBOARD MEETS OR EXCEEDS THE FOLLOWING PHYSICAL PROPERTIES)

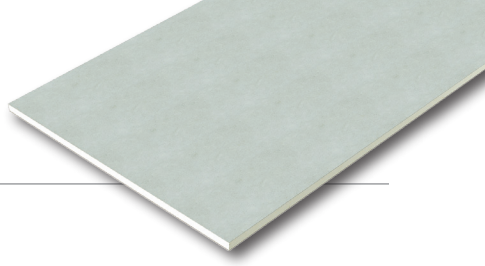
PROPERTY	TEST METHOD	ASTM C1289 OR CAN/ULC 704.1 (MIN. REQUIREMENTS)
DIMENSIONAL STABILITY (LENGTH AND WIDTH)	ASTM D2126	<0.5%
COMPRESSIVE STRENGTH	ASTM D1621	*Grade 1
WATER ABSORPTION	ASTM C209	<4.0%
	ASTM C1763	<4.0%
	ASTM D2842	<3.5%
WATER VAPOR TRANSMISSION	ASTM E96	<1.5 perm (85.8ng/(Pa·s·m2)
FLAME SPREAD	ASTM E84 / UL723	**<75
SMOKE DEVELOPMENT	ASTM E84 / UL723	**<450
TENSILE STRENGTH	ASTM D1623	>2000 psf (95 kPa)
SERVICE TEMPERATURE	-	-100°F to +250°F

*80psi (551 kPa) minimum, up to 110 psi (758 kPa)

**Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤75 and smoke development ≤450 meet code requirements for foam plastic roof insulation. Physical properties listed above are presented as typical average values as determined by referenced ASTM test methods and are subject to nominal manufacturing variations.

ACFoam®-HD CoverBoard-FR

High Density Roof CoverBoard Insulation



ASTM C1289 Type II, Class 4, Grade 1 (80 psi (551 kPa) minimum, up to 110 psi (758 kPa) compressive strength)

THICKNESS	THERMAL RESISTANCE		PIECES PER UNIT	SQUARE FT PER UNIT		TRUCKLOAD QUANTITIES (SQUARES)	AVERAGE WEIGHT (LB/SF)	RECYCLED CONTENT		
	AVERAGE LTTR VALUE	RSI		4×8	4×4			POST CONSUMER	PRE CONSUMER	TOTAL
0.625″	2.5	0.44	36	1152	576	552.96	0.50	–	6.0%	6.0%

Minimum order quantities and extended lead-times may apply. R-value based on ASTM C518.

CODES AND COMPLIANCES

- **ASTM C1289 Type II, Class 4, Grade 1**
- **UL 790 (ASTM E108)** Roofing Systems Classification
- **FM 4450/4470** Refer to FM Approvals® RoofNav for Specific System Details
- **UL Class A** Over Combustible Decks with UL Classified
- **EPDM, PVC, TPO Membranes, BUR, Modified Bitumen, and Fluid Applied Roofing System**
- **IBC Chapter 26 & NBC Sections on Foam Insulation**

PHYSICAL PROPERTIES

(ACFOAM-HD COVERBOARD-FR MEETS OR EXCEEDS THE FOLLOWING PHYSICAL PROPERTIES)

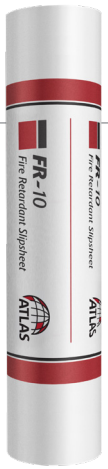
PROPERTY	TEST METHOD	ASTM C1289 OR CAN/ULC 704.1 (MIN. REQUIREMENTS)
DIMENSIONAL STABILITY (LENGTH AND WIDTH)	ASTM D2126	<0.5%
COMPRESSIVE STRENGTH	ASTM D1621	*Grade 1
WATER ABSORPTION	ASTM C209	<4.0%
	ASTM C1763	<4.0%
	ASTM D2842	<3.5%
WATER VAPOR TRANSMISSION	ASTM E96	<1.5 perm (85.8ng/(Pa·s·m2)
FLAME SPREAD	ASTM E84 / UL723	**<75
SMOKE DEVELOPMENT	ASTM E84 / UL723	**<450
TENSILE STRENGTH	ASTM D1623	>2000 psf (95 kPa)
SERVICE TEMPERATURE	-	-100°F to +250°F

*80psi (551 kPa) minimum, up to 110 psi (758 kPa)

**Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤75 and smoke development ≤450 meet code requirements for foam plastic roof insulation. Physical properties listed above are presented as typical average values as determined by referenced ASTM test methods and are subject to nominal manufacturing variations.

FR Slipsheet

Inorganic Fire Retardant Underlayment



PRODUCT	SQUARES PER ROLL	COVERAGE INCLUDING 2″ LAP	ROLL SIZE	APPROX. ROLL WEIGHT	ROLLS PER UNIT	UNITS PER TRUCK	ROLLS PER TRUCK
FR-10	10	964 SF	48.25″×250′ (1225.6mm×76.2m)	90 lbs.	20	20	400

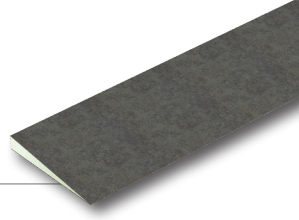
CODES AND COMPLIANCES

- **Part of a "Class A" Roof Assembly** When Installed Over Combustible (Wood) Roof Decks
- **Part of a "Class A" Roof Assembly** When Installed Over Certain EPS/XPS Insulations
- **Refer to UL Product iQ™ or FM Approvals RoofNav** for Specific System Approvals

TENSILE PROPERTIES

PROPERTY	TEST METHOD	RESULTS
MACHINE DIRECTION	TAPPI T 1009 om-06	37 lbs./in.
CROSS MACHINE DIREFCTION	TAPPI T 1009 om-06	27 lbs./in.

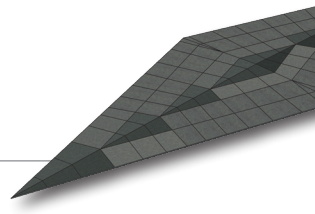
SureSlope™ TES
Tapered Edge Strip



SLOPE	PANEL	WIDTH	THICKNESS			THERMAL RESISTANCE		PIECES PER BUNDLE	BUNDLES PER UNIT	AVERAGE WEIGHT (LB/SF)
			MINIMUM	MAXIMUM	AVERAGE	AVERAGE LTTR VALUE	RSI			
1½″	[1]TES1.5	12″	0.0″	1.5″	0.75″	4.3	0.76	12	8	0.211
1″	[1,2]TES2.0	24″	0.0″	2.0″	1.00″	5.7	1.00	10	4	0.245

Minimum order quantities and extended lead-times may apply. Atlas SureSlope Tapered Edge Strip is available with: [1]GRF (Glass fiber reinforced cellulosic felt) facer and [2]CGF (Coated polymer-bonded glass fiber mat (TES2.0 only)) facer. LTTR Values were determined in accordance with CAN/ULC 770.

SureSlope™ CKT
Pre-Cut Cricket

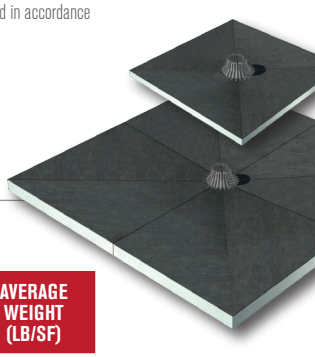


SLOPE	PANEL	THICKNESS			THERMAL RESISTANCE		PIECES PER BOX	BOXES PER UNIT	AVERAGE WEIGHT (LB/SF)
		MINIMUM	MAXIMUM	AVERAGE	AVERAGE LTTR VALUE	RSI			
¼″	X	0.5″	1.5″	1.0″	5.7	1.00	4	7	0.245
	Y	1.5″	2.5″	2.0″	11.4	2.01	2	7	0.380
½″	Q	0.5″	2.5″	1.5″	8.6	1.51	2	7	0.313
–	2.0″	2.0″	2.0″	2.0″	11.4	2.01	2	7	0.380

Minimum order quantities and extended lead-times may apply. Atlas SureSlope Pre-Cut Crickets are available with: GRF (Glass fiber reinforced cellulosic felt) facer. LTTR Values were determined in accordance with CAN/ULC 770.

SureSlope™ DST4×4
Drain Set

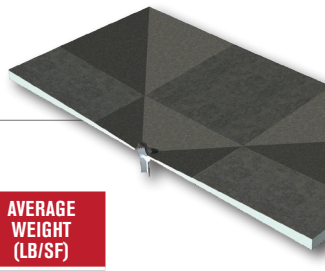
SureSlope™ DST8×8
Drain Set



PRODUCT	SLOPE	PANEL	THICKNESS			THERMAL RESISTANCE		PIECES PER UNIT	AVERAGE WEIGHT (LB/SF)
			MINIMUM	MAXIMUM	AVERAGE	AVERAGE LTTR VALUE	RSI		
SureSlope DST 4×4	½″	DS1.5	0.5″	1.5″	1.0″	5.7	1.00	32	0.245
SureSlope DST 8×8	½″	DS2.5	0.5″	2.5″	1.5 ″	8.6	1.51	5	0.245

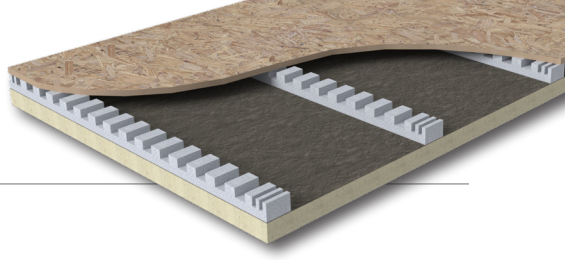
Minimum order quantities and extended lead-times may apply. Atlas SureSlope Drain Sets are available with: GRF (Glass fiber reinforced cellulosic felt) facer and CGF (Coated polymer-bonded glass fiber mat) facer. LTTR Values were determined in accordance with CAN/ULC 770.

SureSlope™ MTR
Pre-Cut Miter



SLOPE	PANEL	THICKNESS			THERMAL RESISTANCE		PIECES PER UNIT		SQUARE FT PER UNIT	AVERAGE WEIGHT (LB/SF)
		MINIMUM	MAXIMUM	AVERAGE	AVERAGE LTTR VALUE	RSI	VALLEY	HIP		
⅛″	AA	0.5″	1.0″	0.75″	4.3	0.76	54	56	992	0.211
	A	1.0″	1.5″	1.25″	7.1	1.25	32	38	576	0.279
	B	1.5″	2.0″	1.75″	10.0	1.76	24	26	416	0.346
	C	2.0″	2.5″	2.25″	12.9	2.27	18	20	320	0.414
¼″	X	0.5″	1.5″	1.0″	5.7	1.00	36	48	640	0.245
	Y	1.5″	2.5″	2.0″	11.4	2.01	20	22	352	0.380
½″	Q	0.5″	2.5″	1.5″	8.6	1.51	22	32	384	0.313

Minimum order quantities and extended lead-times may apply. Atlas SureSlope Pre-Cut Miters are available with: GRF (Glass fiber reinforced cellulosic felt) facer and CGF (Coated polymer-bonded glass fiber mat) facer. LTTR Values were determined in accordance with CAN/ULC 770.



ACFoam® CrossVent®
Nailable Cross Ventilated Roof Insulation

ACFoam® CrossVent® NH
Nailable Cross Ventilated Roof Insulation

1.0″ AIR SPACE

ASTM C1289 Type V

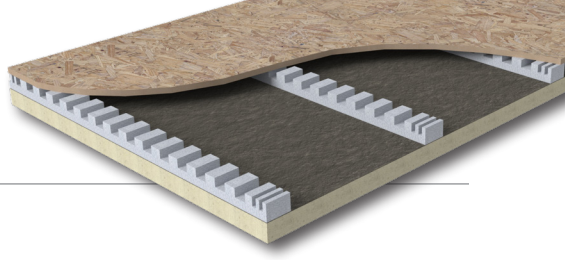
1.0″ Air space yields 9.5 sq in. Net Free Area (NFA) per lft

THICKNESS INCLUDES 1.0″ AIR SPACE	THERMAL RESISTANCE		PIECES PER UNIT	SQUARE FEET PER UNIT	TRUCKLOAD QUANTITIES (SQUARES)	AVERAGE WEIGHT (LB/SF)	[1]RECYCLED CONTENT		
	AVERAGE LTTR VALUE	RSI					POST CONSUMER	PRE CONSUMER	TOTAL
2.5″	5.7	1.00	18	576	138.24	1.731	33.7%	19.2%	52.9%
2.6″	6.3	1.10	18	576	138.24	1.745	31.9%	19.0%	50.9%
2.7″	6.8	1.20	17	544	130.56	1.758	30.3%	18.7%	49.1%
2.8″	7.4	1.30	17	544	130.56	1.772	28.9%	18.5%	47.4%
2.9″	8.0	1.40	16	512	122.88	1.785	27.6%	18.3%	45.9%
3.0″	8.6	1.50	15	480	115.20	1.799	26.4%	18.2%	44.6%
3.1″	9.1	1.61	15	480	115.20	1.812	25.3%	18.0%	43.3%
3.2″	9.7	1.71	14	448	107.52	1.826	24.3%	17.9%	42.2%
3.3″	10.3	1.81	14	448	107.52	1.839	23.4%	17.8%	41.1%
3.4″	10.8	1.91	14	448	107.52	1.853	22.5%	17.6%	40.1%
3.5″	11.4	2.01	13	416	99.84	1.866	21.7%	17.5%	39.2%
3.6″	12.0	2.11	13	416	99.84	1.880	21.0%	17.4%	38.4%
3.7″	12.6	2.21	12	384	92.16	1.893	20.3%	17.3%	37.6%
3.8″	13.2	2.32	12	384	92.16	1.907	19.6%	17.2%	36.8%
3.9″	13.8	2.42	12	384	92.16	1.920	19.0%	17.1%	36.1%
4.0″	14.4	2.53	11	352	84.48	1.934	18.4%	17.1%	35.5%
4.1″	15.0	2.64	10	320	76.80	1.947	17.9%	17.0%	34.9%
4.2″	15.6	2.74	10	320	76.80	1.961	17.4%	16.9%	34.3%
4.3″	16.2	2.85	10	320	76.80	1.974	16.9%	16.8%	33.7%
4.4″	16.8	2.96	10	320	76.80	1.988	16.5%	16.8%	33.2%
4.5″	17.4	3.06	10	320	76.80	2.001	16.0%	16.7%	32.7%
4.6″	18.0	3.17	9	288	69.12	2.015	15.6%	16.7%	32.3%
4.7″	18.6	3.28	9	288	69.12	2.028	15.2%	16.6%	31.8%
4.8″	19.2	3.39	9	288	69.12	2.042	14.9%	16.6%	31.4%
4.9″	19.9	3.49	9	288	69.12	2.055	14.5%	16.5%	31.0%
5.0″	20.5	3.60	9	288	69.12	2.069	14.2%	16.5%	30.6%
5.1″	21.1	3.71	9	288	69.12	2.082	13.8%	16.4%	30.3%
5.2″	21.7	3.82	8	256	61.44	2.096	13.5%	16.4%	29.9%
5.3″	22.3	3.93	8	256	61.44	2.109	13.2%	16.3%	29.6%
5.4″	23.0	4.04	8	256	61.44	2.123	13.0%	16.3%	29.3%
5.5″	23.6	4.15	8	256	61.44	2.136	12.7%	16.3%	28.9%

NOT INTENDED FOR USE IN SINGLE LAYER APPLICATIONS

Made to Order: Extended lead-times may apply. To minimize the effects of thermal bridging, Atlas Roofing Corporation strongly recommends the use of multiple layers when the total desired or specified R-value requires an insulation thickness greater than 2.7″ thick.

[1]Recycled content includes GRF (Glass fiber reinforced cellulosic felt) faced polyisocyanurate foam portion only. ACFoam® CrossVent® calculations are based on 7/16″ OSB unless noted otherwise. Truckload quantities based on 24 units 4×8. LTTR values were determined in accordance with CAN/ULC 770. Thermal resistance of unsealed air space and 7/16″ OSB does not apply. Only LTTR of ACFoam® polyisocyanurate portion is reported.



ACFoam® CrossVent®

Nailable Cross Ventilated Roof Insulation

ACFoam® CrossVent® NH

Nailable Cross Ventilated Roof Insulation

1.5″ AIR SPACE

ASTM C1289 Type V

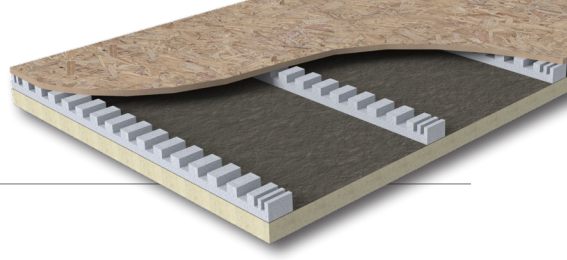
1.5″ Air space yields 14.25 sq in. Net Free Area (NFA) per lft

THICKNESS INCLUDES 1.5″ AIR SPACE	THERMAL RESISTANCE		PIECES PER UNIT	SQUARE FEET PER UNIT	TRUCKLOAD QUANTITIES (SQUARES)	AVERAGE WEIGHT (LB/SF)	[1]RECYCLED CONTENT		
	AVERAGE LTTR VALUE	RSI					POST CONSUMER	PRE CONSUMER	TOTAL
3.0″	5.7	1.00	15	480	115.20	1.748	33.7%	19.2%	52.9%
3.1″	6.3	1.10	15	480	115.20	1.762	31.9%	19.0%	50.9%
3.2″	6.8	1.20	14	448	107.52	1.775	30.3%	18.7%	49.1%
3.3″	7.4	1.30	14	448	107.52	1.789	28.9%	18.5%	47.4%
3.4″	8.0	1.40	14	448	107.52	1.802	27.6%	18.3%	45.9%
3.5″	8.6	1.50	13	416	99.84	1.816	26.4%	18.2%	44.6%
3.6″	9.1	1.61	13	416	99.84	1.829	25.3%	18.0%	43.3%
3.7″	9.7	1.71	12	384	92.16	1.843	24.3%	17.9%	42.2%
3.8″	10.3	1.81	12	384	92.16	1.856	23.4%	17.8%	41.1%
3.9″	10.8	1.91	12	384	92.16	1.870	22.5%	17.6%	40.1%
4.0″	11.4	2.01	11	352	84.48	1.883	21.7%	17.5%	39.2%
4.1″	12.0	2.11	10	320	76.80	1.897	21.0%	17.4%	38.4%
4.2″	12.6	2.21	10	320	76.80	1.910	20.3%	17.3%	37.6%
4.3″	13.2	2.32	10	320	76.80	1.924	19.6%	17.2%	36.8%
4.4″	13.8	2.42	10	320	76.80	1.937	19.0%	17.1%	36.1%
4.5″	14.4	2.53	10	320	76.80	1.951	18.4%	17.1%	35.5%
4.6″	15.0	2.64	9	288	69.12	1.964	17.9%	17.0%	34.9%
4.7″	15.6	2.74	9	288	69.12	1.978	17.4%	16.9%	34.3%
4.8″	16.2	2.85	9	288	69.12	1.991	16.9%	16.8%	33.7%
4.9″	16.8	2.96	9	288	69.12	2.005	16.5%	16.8%	33.2%
5.0″	17.4	3.06	9	288	69.12	2.018	16.0%	16.7%	32.7%
5.1″	18.0	3.17	9	288	69.12	2.032	15.6%	16.7%	32.3%
5.2″	18.6	3.28	8	256	61.44	2.045	15.2%	16.6%	31.8%
5.3″	19.2	3.39	8	256	61.44	2.059	14.9%	16.6%	31.4%
5.4″	19.9	3.49	8	256	61.44	2.072	14.5%	16.5%	31.0%
5.5″	20.5	3.60	8	256	61.44	2.086	14.2%	16.5%	30.6%
5.6″	21.1	3.71	8	256	61.44	2.099	13.8%	16.4%	30.3%
5.7″	21.7	3.82	8	256	61.44	2.113	13.5%	16.4%	29.9%
5.8″	22.3	3.93	7	224	53.76	2.126	13.2%	16.3%	29.6%
5.9″	23.0	4.04	7	224	53.76	2.140	13.0%	16.3%	29.3%
6.0″	23.6	4.15	7	224	53.76	2.153	12.7%	16.3%	28.9%

NOT INTENDED FOR USE IN SINGLE LAYER APPLICATIONS

Made to Order: Extended lead-times may apply. To minimize the effects of thermal bridging, Atlas Roofing Corporation strongly recommends the use of multiple layers when the total desired or specified R-value requires an insulation thickness greater than 2.7″ thick.

[1]Recycled content includes GRF (Glass fiber reinforced cellulosic felt) faced polyisocyanurate foam portion only. ACFoam® CrossVent® calculations are based on 7/16″ OSB unless noted otherwise. Truckload quantities based on 24 units 4×8. LTTR values were determined in accordance with CAN/ULC 770. Thermal resistance of unsealed air space and 7/16″ OSB does not apply. Only LTTR of ACFoam® polyisocyanurate portion is reported.



ACFoam® CrossVent®
Nailable Cross Ventilated Roof Insulation

ACFoam® CrossVent® NH
Nailable Cross Ventilated Roof Insulation

2.0″ AIR SPACE

ASTM C1289 Type V

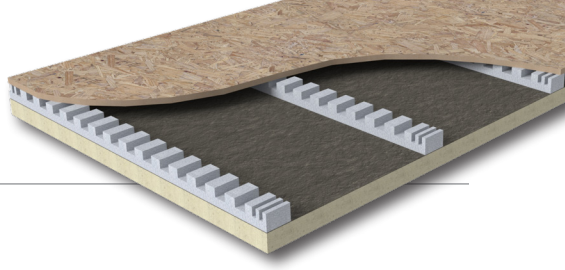
2.0″ Air space yields 19.0 sq in. Net Free Area (NFA) per lft

THICKNESS INCLUDES 2.0″ AIR SPACE	THERMAL RESISTANCE		PIECES PER UNIT	SQUARE FEET PER UNIT	TRUCKLOAD QUANTITIES (SQUARES)	AVERAGE WEIGHT (LB/SF)	[1]RECYCLED CONTENT		
	AVERAGE LTTR VALUE	RSI					POST CONSUMER	PRE CONSUMER	TOTAL
3.5″	5.7	1.00	13	416	99.84	1.764	33.7%	19.2%	52.9%
3.6″	6.3	1.10	13	416	99.84	1.778	31.9%	19.0%	50.9%
3.7″	6.8	1.20	12	384	92.16	1.791	30.3%	18.7%	49.1%
3.8″	7.4	1.30	12	384	92.16	1.805	28.9%	18.5%	47.4%
3.9″	8.0	1.40	12	384	92.16	1.818	27.6%	18.3%	45.9%
4.0″	8.6	1.50	11	352	84.48	1.832	26.4%	18.2%	44.6%
4.1″	9.1	1.61	10	320	76.80	1.845	25.3%	18.0%	43.3%
4.2″	9.7	1.71	10	320	76.80	1.859	24.3%	17.9%	42.2%
4.3″	10.3	1.81	10	320	76.80	1.872	23.4%	17.8%	41.1%
4.4″	10.8	1.91	10	320	76.80	1.886	22.5%	17.6%	40.1%
4.5″	11.4	2.01	10	320	76.80	1.899	21.7%	17.5%	39.2%
4.6″	12.0	2.11	9	288	69.12	1.913	21.0%	17.4%	38.4%
4.7″	12.6	2.21	9	288	69.12	1.926	20.3%	17.3%	37.6%
4.8″	13.2	2.32	9	288	69.12	1.940	19.6%	17.2%	36.8%
4.9″	13.8	2.42	9	288	69.12	1.953	19.0%	17.1%	36.1%
5.0″	14.4	2.53	9	288	69.12	1.967	18.4%	17.1%	35.5%
5.1″	15.0	2.64	9	288	69.12	1.980	17.9%	17.0%	34.9%
5.2″	15.6	2.74	8	256	61.44	1.994	17.4%	16.9%	34.3%
5.3″	16.2	2.85	8	256	61.44	2.007	16.9%	16.8%	33.7%
5.4″	16.8	2.96	8	256	61.44	2.021	16.5%	16.8%	33.2%
5.5″	17.4	3.06	8	256	61.44	2.034	16.0%	16.7%	32.7%
5.6″	18.0	3.17	8	256	61.44	2.048	15.6%	16.7%	32.3%
5.7″	18.6	3.28	8	256	61.44	2.061	15.2%	16.6%	31.8%
5.8″	19.2	3.39	7	224	53.76	2.075	14.9%	16.6%	31.4%
5.9″	19.9	3.49	7	224	53.76	2.088	14.5%	16.5%	31.0%
6.0″	20.5	3.60	7	224	53.76	2.102	14.2%	16.5%	30.6%
6.1″	21.1	3.71	7	224	53.76	2.115	13.8%	16.4%	30.3%
6.2″	21.7	3.82	7	224	53.76	2.129	13.5%	16.4%	29.9%
6.3″	22.3	3.93	7	224	53.76	2.142	13.2%	16.3%	29.6%
6.4″	23.0	4.04	7	224	53.76	2.156	13.0%	16.3%	29.3%
6.5″	23.6	4.15	7	224	53.76	2.169	12.7%	16.3%	28.9%

NOT INTENDED FOR USE IN SINGLE LAYER APPLICATIONS

Made to Order: Extended lead-times may apply. To minimize the effects of thermal bridging, Atlas Roofing Corporation strongly recommends the use of multiple layers when the total desired or specified R-value requires an insulation thickness greater than 2.7″ thick.

[1]Recycled content includes GRF (Glass fiber reinforced cellulosic felt) faced polyisocyanurate foam portion only. ACFoam® CrossVent® calculations are based on 7/16″ OSB unless noted otherwise. Truckload quantities based on 24 units 4×8. LTTR values were determined in accordance with CAN/ULC 770. Thermal resistance of unsealed air space and 7/16″ OSB does not apply. Only LTTR of ACFoam® polyisocyanurate portion is reported.



ACFoam® CrossVent®
Nailable Cross Ventilated Roof Insulation

ACFoam® CrossVent® NH
Nailable Cross Ventilated Roof Insulation

THERMAL DATA

[1]COMPOSITE THICKNESS	2.5" (64mm)	3.0" (76mm)	3.5" (89mm)	4.0" (102mm)	4.5" (114mm)	5.0" (127mm)	5.5" (140mm)	6.0" (152mm)	6.5 (165mm)
1.0" AIR SPACE: [2]LTTR VALUE [3](RSI) (NFA/LF=9.5 SQ.IN.)	5.7 (1.00)	8.6 (1.50)	11.4 (2.01)	14.4 (2.54)	17.4 (3.06)	20.5 (3.60)	23.6 (4.15)	-	-
1.5" AIR SPACE: [2]LTTR VALUE [3](RSI) (NFA/LF=14.25 SQ.IN.)	-	5.7 (1.00)	8.6 (1.50)	11.4 (2.01)	14.4 (2.54)	17.4 (3.06)	20.5 (3.60)	23.6 (4.15)	-
2.0" AIR SPACE: [2]LTTR VALUE [3](RSI) (NFA/LF=19.0 SQ.IN.)	-	-	5.7 (1.00)	8.6 (1.50)	11.4 (2.01)	14.4 (2.54)	17.4 (3.06)	20.5 (3.60)	23.6 (4.15)

[1]Composite thickness includes wood layer, vent spacer strips and ACFoam-II polyiso insulation board.

[2]LTTR (long term thermal resistance) values were determined in accordance with CAN/ULC 770. Thermal resistance of unsealed air space does not apply. Only LTTR of ACFoam is reported.

[3]RSI is the metric expression of R-value (m2 • K/W).

*To minimize the effects of thermal bridging, Atlas strongly recommends the ACFoam CrossVent assembly be installed in multiple layers using a base layer(s) of ACFoam roof insulation below the ACFoam CrossVent composite panel and through-fastened with Atlas Nail Base Fasteners.

NAILABLE SURFACE OPTIONS

PRODUCT	AVAILABLE THICKNESSES		
OSB	7/16"	5/8"	3/4"
CDX	19/32"	5/8"	3/4"
FRT CDX (SPECIAL ORDER)	19/32"	5/8"	3/4"
FSC CERTIFIED OSB (SPECIAL ORDER)	7/16"	5/8"	3/4"
FSC CERTIFIED CDX (SPECIAL ORDER)	19/32"	5/8"	3/4"

NAILABLE ROOF INSULATION WOOD COMPATIBILITY

THICKNESS		THERMAL RESISTANCE		AVAILABLE CERTIFICATIONS		
IN	MM	OSB	CDX	FSC	FIRE-TREATED	PRESERVATIVE-TREATED
7/16	11.1	0.55	-	OSB	OSB	OSB
*15/32	11.9	0.59	-	OSB	OSB	OSB
*1/2	12.7	0.62	-	OSB	OSB	OSB
*15/32	15.1	0.74	0.74	OSB/CDX	OSB/CDX	OSB/CDX
5/8	15.9	0.78	0.78	OSB/CDX	OSB/CDX	OSB/CDX
*23/32	18.3	0.90	0.90	OSB/CDX	OSB/CDX	OSB/CDX
3/4	19.1	0.94	0.94	OSB/CDX	OSB/CDX	OSB/CDX

NON STANDATD THICKNESS:

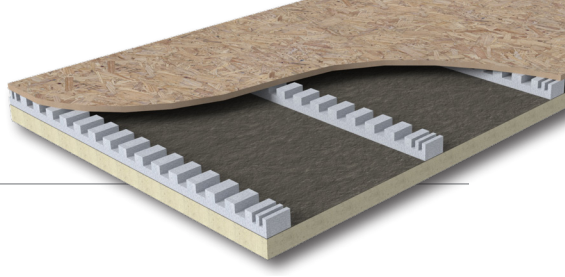
Minimum Approved OSB Thickness = 7/16"

Minimum Approved CDX Thickness = 19/32" (5-Ply Preferred)

The tabulated thermal resistance (R-values) are based on Douglas fir-Larch plywood at 8% moisture content and 75F

2011 APA-Engineered Wood Construction Guide

ACFoam® CrossVent®
Nailable Cross Ventilated Roof Insulation



ACFoam® CrossVent® NH
Nailable Cross Ventilated Roof Insulation

CODES AND COMPLIANCES

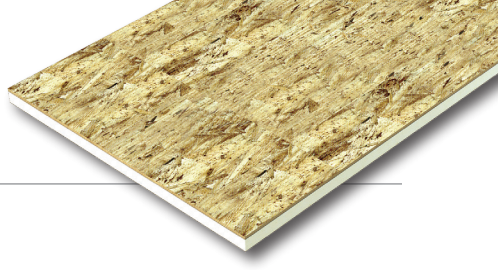
- **ASTM C1289 Type V**
- **UL 1256 Classification Construction** No. 120, 123 & 458
- **UL 790 (ASTM E108)** For use with Class A, B or C Shingles, Metal or Tile Roof Coverings
- **UL 263 (ASTM E119)** Fire Resistance Classification
- **FM 4450/4470 Approved (1-90, 1-105)** Approved for Class 1 Insulated Roof Deck Construction. Refer to FM Approvals® RoofNav for Specific System Details
- **IBC Chapter 26 & NBC Sections on Foam Insulation**
- **California State Thermal Insulation Directory,** T 1231
- **Miami-Dade,** NOA No. 17-1211.05
- **Florida Product Approval,** No. FL17989
- **APA/TECO Rated OSB Nailing Surface**
- **U.S. Voluntary Product Standard PS 2 Compliant**
- **Living Building Challenge Red List Free** with Declare Label and Product Database Listing (applies to ACFoam -Recover Board NH Only)

PHYSICAL PROPERTIES

(ACFOAM CROSSVENT MEETS OR EXCEEDS THE FOLLOWING PHYSICAL PROPERTIES - POLYISO ONLY)

PROPERTY	TEST METHOD	ASTM C1289 OR CAN/ULC 704.1 (MIN. REQUIREMENTS)
DIMENSIONAL STABILITY (LENGTH AND WIDTH)	ASTM D2126	<2%
COMPRESSIVE STRENGTH	ASTM D1621	20 psi (140 kPa) or 25 psi (172 kPa)
WATER ABSORPTION	ASTM C209	<1.5%
	ASTM C1763	<1.5%
	ASTM D2842	<3.5%
WATER VAPOR TRANSMISSION	ASTM E96	ACFOAM-II <1.5 perm (85.5ng/(Pa·s·m2) ACFOAM-III <4.0 perm (228.8ng/(Pa·s·m2)
PRODUCT DENSITY	ASTM D1622	Nom. 2.0 pcf (32.04 kg/m3)
FLAME SPREAD	ASTM E84 / UL723	*40-60
SMOKE DEVELOPMENT	ASTM E84 / UL723	*50-170
TENSILE STRENGTH	ASTM D1623	>730 psf (35 kPa)
SERVICE TEMPERATURE	-	-100°F to +250°F

**Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤75 and smoke development ≤450 meet code requirements for foam plastic roof insulation. Physical properties listed above are presented as typical average values as determined by referenced ASTM test methods and are subject to nominal manufacturing variations.



ACFoam® Nail Base
Nailable Roof Insulation

ACFoam® Nail Base NH
Nailable Roof Insulation

ASTM C1289 Type V

COMPOSITE THICKNESS	THERMAL RESISTANCE		PIECES PER UNIT	SQUARE FEET PER UNIT	TRUCKLOAD QUANTITIES (SQUARES)	AVERAGE WEIGHT (LB/SF)	[1]RECYCLED CONTENT		
	AVERAGE LTTR VALUE	RSI					POST CONSUMER	PRE CONSUMER	TOTAL
1.5″	6.3	1.10	31	992	238.08	1.697	33.7%	19.2%	52.9%
1.6″	6.9	1.20	29	928	222.72	1.711	31.9%	19.0%	50.9%
1.7″	7.4	1.30	27	864	207.36	1.724	30.3%	18.7%	49.1%
1.8″	8.0	1.40	26	832	199.68	1.738	28.9%	18.5%	47.4%
1.9″	8.6	1.50	24	768	184.32	1.751	27.6%	18.3%	45.9%
2.0″	9.1	1.60	23	736	176.64	1.765	26.4%	18.2%	44.6%
2.1″	9.7	1.70	22	704	168.96	1.778	25.3%	18.0%	43.3%
2.2″	10.3	1.80	21	672	161.28	1.792	24.3%	17.9%	42.2%
2.3″	10.9	1.90	20	640	153.60	1.805	23.4%	17.8%	41.1%
2.4″	11.4	2.00	19	608	145.92	1.819	22.5%	17.6%	40.1%
2.5″	12.0	2.10	18	576	138.24	1.832	21.7%	17.5%	39.2%
2.6″	12.6	2.21	18	576	138.24	1.846	21.0%	17.4%	38.4%
2.7″	13.2	2.31	17	544	130.56	1.859	20.3%	17.3%	37.6%
2.8″	13.8	2.42	17	544	130.56	1.873	19.6%	17.2%	36.8%
2.9″	14.4	2.52	16	512	122.88	1.886	19.0%	17.1%	36.1%
3.0″	15.0	2.63	15	480	115.20	1.900	18.4%	17.1%	35.5%
3.1″	15.6	2.73	15	480	115.20	1.913	17.9%	17.0%	34.9%
3.2″	16.2	2.84	14	448	107.52	1.927	17.4%	16.9%	34.3%
3.3″	16.8	2.95	14	448	107.52	1.940	16.9%	16.8%	33.7%
3.4″	17.4	3.05	14	448	107.52	1.954	16.5%	16.8%	33.2%
3.5″	18.0	3.16	13	416	99.84	1.967	16.0%	16.7%	32.7%
3.6″	18.6	3.27	13	416	99.84	1.981	15.6%	16.7%	32.3%
3.7″	19.2	3.37	12	384	92.16	1.994	15.2%	16.6%	31.8%
3.8″	19.8	3.48	12	384	92.16	2.008	14.9%	16.6%	31.4%
3.9″	20.5	3.59	12	384	92.16	2.021	14.5%	16.5%	31.0%
4.0″	21.1	3.70	11	352	84.48	2.035	14.2%	16.5%	30.6%
4.1″	21.7	3.81	10	320	76.80	2.048	13.8%	16.4%	30.3%
4.2″	22.3	3.92	10	320	76.80	2.062	13.5%	16.4%	29.9%
4.3″	22.9	4.03	10	320	76.80	2.075	13.2%	16.3%	29.6%
4.4″	23.6	4.14	10	320	76.80	2.089	13.0%	16.3%	29.3%
4.5″	24.2	4.25	10	320	76.80	2.102	12.7%	16.3%	28.9%

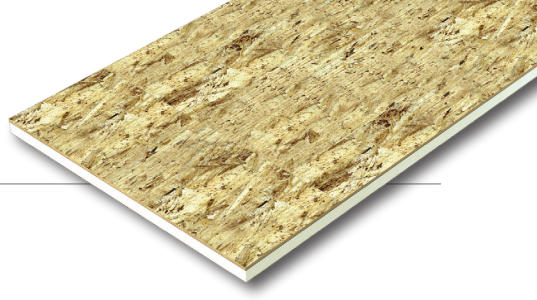
NOT INTENDED FOR USE IN SINGLE LAYER APPLICATIONS

Made to Order: Extended lead times may apply. To minimize the effects of thermal bridging, Atlas Roofing Corporation strongly recommends the use of multiple layers when the total desired or specified R-value requires an insulation thickness greater than 2.7″ thick.

[1]Recycled content includes GRF (Glass fiber reinforced cellulosic felt) faced polyisocyanurate foam portion only. ACFoam® Nail Base calculations are based on 7/16″ OSB (R-value 0.55) unless noted otherwise. Truckload quantities based on 24 units 4×8. LTTR values were determined in accordance with CAN/ULC 770.

ACFoam® Nail Base
Nailable Roof Insulation

ACFoam® Nail Base NH
Nailable Roof Insulation



CODES AND COMPLIANCES

- **ASTM C1289 Type V**
- **UL 1256 Classification Construction** No. 120, 123 & 458
- **UL 790 (ASTM E108)** For use with Class A, B or C Shingles, Metal or Tile Roof Coverings
- **UL 263 (ASTM E119)** Fire Resistance Classification
- **FM 4450/4470 Approved (1-90, 1-105)** Approved for Class 1 Insulated Roof Deck Construction. Refer to FM Approvals® RoofNav for Specific System Details
- **IBC Chapter 26 & NBC Sections on Foam Insulation**
- **California State Thermal Insulation Directory,** T 1231
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- **Florida Product Approval,** No. FL17989
- **APA/TECO Rated OSB Nailing Surface**
- **U.S. Voluntary Product Standard PS 2 Compliant**
- **Living Building Challenge Red List Free** with Declare Label and Product Database Listing (applies to ACFoam -Recover Board NH Only)

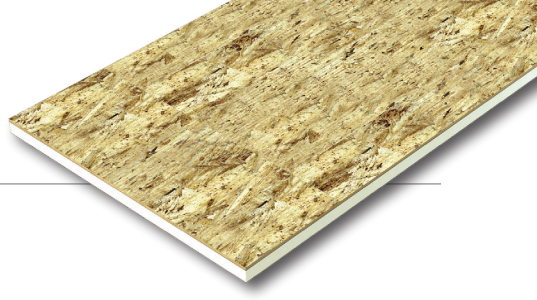
PHYSICAL PROPERTIES

(ACFOAM NAIL BASE MEETS OR EXCEEDS THE FOLLOWING PHYSICAL PROPERTIES – POLYISO ONLY)

PROPERTY	TEST METHOD	ASTM C1289 OR CAN/ULC 704.1 (MIN. REQUIREMENTS)
DIMENSIONAL STABILITY (LENGTH AND WIDTH)	ASTM D2126	<2%
COMPRESSIVE STRENGTH	ASTM D1621	20 psi (140 kPa) or 25 psi (172 kPa)
WATER ABSORPTION	ASTM C209	<1.5%
	ASTM C1763	<1.5%
	ASTM D2842	<3.5%
WATER VAPOR TRANSMISSION	ASTM E96	ACFOAM-II <1.5 perm (85.5ng/(Pa·s·m2) ACFOAM-III <4.0 perm (228.8ng/(Pa·s·m2)
PRODUCT DENSITY	ASTM D1622	Nom. 2.0 pcf (32.04 kg/m3)
FLAME SPREAD	ASTM E84 / UL723	*40-60
SMOKE DEVELOPMENT	ASTM E84 / UL723	*50-170
TENSILE STRENGTH	ASTM D1623	>730 psf (35 kPa)
SERVICE TEMPERATURE	-	-100°F to +250°F

**Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤75 and smoke development ≤450 meet code requirements for foam plastic roof insulation. Physical properties listed above are presented as typical average values as determined by referenced ASTM test methods and are subject to nominal manufacturing variations.

ACFoam® Nail Base
Nailable Roof Insulation



ACFoam® Nail Base NH
Nailable Roof Insulation

THERMAL DATA

[1]COMPOSITE THICKNESS		LTTR VALUE	RSI	FLUTE SPANABILITY	
in	mm			in	mm
1.5	38.1	6.3	1.10	4.375	111.13
2.0	50.8	9.1	1.60	4.375	111.13
2.5	63.5	12.0	2.10	4.375	111.13
3.0	7.2	15.0	2.63	4.375	111.13
3.5	88.9	18.0	3.16	4.375	111.13
4.0	101.6	21.1	3.70	4.375	111.13
4.5	114.3	24.2	4.25	4.375	111.13

[1]Composite thickness includes wood layer, vent spacer strips and ACFoam-II polyiso insulation board.

[2]LTTR (long term thermal resistance) values were determined in accordance with CAN/ULC 770. Thermal resistance of unsealed air space does not apply. Only LTTR of ACFoam is reported.

[3]RSI is the metric expression of R-value (m2 • K/W).

*To minimize the effects of thermal bridging, Atlas strongly recommends the ACFoam CrossVent assembly be installed in multiple layers using a base layer(s) of ACFoam roof insulation below the ACFoam CrossVent composite panel and through fastened with Atlas Nail Base Fasteners.

NAILABLE SURFACE OPTIONS

PRODUCT	AVAILABLE THICKNESSES		
OSB	7/16"	5/8"	3/4"
CDX	19/32"	5/8"	3/4"
FRT CDX (SPECIAL ORDER)	19/32"	5/8"	3/4"
FSC CERTIFIED OSB (SPECIAL ORDER)	7/16"	5/8"	3/4"
FSC CERTIFIED CDX (SPECIAL ORDER)	19/32"	5/8"	3/4"

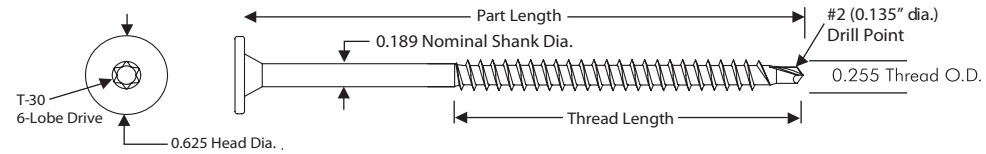
NAILABLE ROOF INSULATION WOOD COMPATIBILITY

THICKNESS		THERMAL RESISTANCE		AVAILABLE CERTIFICATIONS		
IN	MM	OSB	CDX	FSC	FIRE-TREATED	PRESERVATIVE-TREATED
7/16	11.1	0.55	-	OSB	OSB	OSB
*15/32	11.9	0.59	-	OSB	OSB	OSB
*1/2	12.7	0.62	-	OSB	OSB	OSB
*15/32	15.1	0.74	0.74	OSB/CDX	OSB/CDX	OSB/CDX
5/8	15.9	0.78	0.78	OSB/CDX	OSB/CDX	OSB/CDX
*23/32	18.3	0.90	0.90	OSB/CDX	OSB/CDX	OSB/CDX
3/4	19.1	0.94	0.94	OSB/CDX	OSB/CDX	OSB/CDX

NON STANDATD THICKNESS:
Minimum Approved OSB Thickness = 7/16"
Minimum Approved CDX Thickness = 19/32" (5-Ply Preferred)
The tabulated thermal resistance (R-values) are based on Douglas fir-Larch plywood at 8% moisture content and 75F
2011 APA-Engineered Wood Construction Guide

Atlas Nail Base Fastener LD

Nailable Insulation Fastener



NOTE: For part lengths 2.25", 3.25", and 4.25", drill point is 0.125" dia.

DESCRIPTION:

Standard or Light Duty (LD) nailable insulation fasteners with #2 Light Duty Drill Point. Specifically engineered for attaching Atlas ACFoam Nail Base and ACFoam CrossVent to 18-22 ga. corrugated steel and approved wood deck substrates. Atlas Nail Base Fasteners are required for proper mechanical attachment of all ACFoam Nailable Insulation Systems.

- **MATERIAL:** Case-Hardened and Tempered Carbon Steel
- **HEAD STYLE/DRIVE:** Large Diameter, Low Profile Pancake Head with T-30 6-Lobe Drive
- **HEAD DIAMETER:** 0.625"
- **SHANK DIAMETER:** 0.189"
- **THREAD LENGTH:** 2.750"
- **OVERALL LENGTH:** 3" thru 16"
- **POINT:** #2 (0.135" dia.) Drill Point
- **COATING:** Epoxy E-Coat (black)

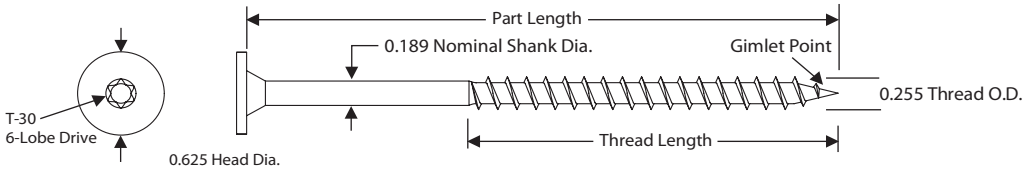
Passes more than 15 cycles (Kesternich) in accordance with DIN 50018

PRODUCT SELECTION

IN	MM	PKG. QTY.
3.0	76	500/PAIL
3.5	89	500/PAIL
4.0	102	500/PAIL
4.5	114	500/PAIL
5.0	127	500/PAIL
5.5	140	500/PAIL
6.0	152	500/PAIL
6.5	165	500/PAIL
7.0	178	500/PAIL
7.5	191	500/PAIL
8.0	203	500/PAIL
8.5	216	250/PAIL
9.0	229	250/PAIL
10.0	254	250/PAIL
11.0	279	250/PAIL
12.0	305	250/PAIL
13.0	330	250/BOX
14.0	356	250/BOX
15.0	381	250/BOX
16.0	406	250/BOX

Atlas Nail Base Fastener TP

Nailable Insulation Fastener



DESCRIPTION:

Thread Point (TP) nailable insulation fasteners with Gimlet Thread Point. Specifically engineered for attaching Atlas ACFoam Nail Base and ACFoam CrossVent to wood and timber substrates. Atlas Nail Base Fasteners are required for proper mechanical attachment of all ACFoam Nailable Insulation Systems.

- **MATERIAL:** Case-Hardened and Tempered Carbon Steel
- **HEAD STYLE/DRIVE:** Large Diameter, Low Profile Pancake Head with T-30 6-Lobe Drive
- **HEAD DIAMETER:** 0.625"
- **SHANK DIAMETER:** 0.189"
- **THREAD LENGTH:** 2.750"
- **OVERALL LENGTH:** 2" thru 14"
- **POINT:** Gimlet Point
- **COATING:** Epoxy E-Coat (black)

Passes more than 15 cycles (Kesternich) in accordance with DIN 50018

PRODUCT SELECTION

IN	MM	PKG. QTY.
2.0	51	500/PAIL
2.5	64	500/PAIL
3.0	76	500/PAIL
3.5	89	500/PAIL
4.0	102	500/PAIL
4.5	114	500/PAIL
5.0	127	500/PAIL
5.5	140	500/PAIL
6.0	152	500/PAIL
6.5	165	500/PAIL
7.0	178	500/PAIL
7.5	191	500/PAIL
8.0	203	500/PAIL
8.5	216	250/PAIL
9.0	229	250/PAIL
10.0	254	250/PAIL
11.0	279	250/PAIL
12.0	305	250/PAIL
13.0	330	250/BOX
14.0	356	250/BOX

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