

USP ISO-CA

Technical Data Sheet

Product Name: USP ISO-CA (Manufactured by Atlas)

Classification: Thermal Insulation, Polyisocyanurate

Product Description: USP™ ISO-CA is a closed-cell, polyiso foam core integrally laminated to heavy black coated-glass facers. USP™ ISO-CA is also available in 25-psi density formula. USP™ ISO-CA features a more durable facer and is more dimensionally-stable. Typically specified for mechanically attached single-ply, cold-applied BUR and cold-applied modified bitumen membrane systems. **DO NOT USE WITH HOT-APPLIED MEMBRANES, I.E. COAL TAR OR ASPHALT.** Available in 4' x 8' (1.2m x 2.4m) and 4' x 4' (1.2m x 1.2m) panels.

Application Method: USP™ ISO-CA is applied using mechanical fasteners or compatible cold adhesive.

HCFC FREE **ZERO** OZONE DEPLETION POTENTIAL

Approvals: Federal Specification HH-I-1972/GEN and HH-I-1972/2 Class 1. This federal specification has been cancelled.

- ASTM C1289, Type II, Class 2
- California State Insulation Quality Standards and Title 25, Foam Flammability Criteria (License #TC 1231).
- IBC, BOCA, ICBO, and SBCCI Sections on Foam Insulation.
- CCMC No.12423-L
- Meets CAN/CGSB-51.26-M86, CAN/ULC-S704

Long-Term Thermal Resistance*					
THICKNESS		LTTR-VALUE	RSI m ² • K/W	METAL	
In	mm			mm	in
1.0	25	6.0	1.06	2.625	66.68
1.1	28	6.6	1.16	2.625	66.68
1.2	30	7.2	1.27	2.625	66.68
1.3	33	7.8	1.37	2.625	66.68
1.4	36	8.4	1.48	2.625	66.68
1.5	38	9.0	1.58	4.375	111.13
1.6	41	9.6	1.69	4.375	111.13
1.7	43	10.3	1.81	4.375	111.13
1.8	46	10.9	1.92	4.375	111.13
1.9	48	11.5	2.02	4.375	111.13
2.0	51	12.1	2.13	4.375	111.13
2.1	53	12.8	2.25	4.375	111.13
2.2	56	13.4	2.36	4.375	111.13
2.3	58	14.0	2.48	4.375	111.13
2.4	61	14.7	2.59	4.375	111.13
2.5	64	15.3	2.69	4.375	111.13
2.6	66	15.9	2.80	4.375	111.13
2.7	69	16.6	2.92	4.375	111.13
2.8	71	17.2	3.03	4.375	111.13
2.9	74	17.9	3.15	4.375	111.13
3.0	76	18.5	3.26	4.375	111.13
3.1	79	19.1	3.36	4.375	111.13
3.2	81	19.8	3.48	4.375	111.13
3.3	84	20.4	3.59	4.375	111.13
3.4	86	21.1	3.71	4.375	111.13
3.5	89	21.7	3.82	4.375	111.13
3.6	91	22.4	3.94	4.375	111.13
3.7	94	23.0	4.05	4.375	111.13
3.8	97	23.7	4.17	4.375	111.13
3.9	99	24.3	4.28	4.375	111.13
4.0	102	25.0	4.40	4.375	111.13

*Long-term thermal resistance values of the foam were determined in accordance with CAN/ULC S770. All test samples were third-party selected and tested by an accredited materials testing laboratory.

green zone

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FM Standard 4450/4470 Approval

USP™ ISO-CA is approved for Class 1 insulated steel, wood, concrete and gypsum roof deck construction for both 1-60 and 1-90 Windstorm Classifications. Refer to FM Approval Guide for details on specific systems.

UL Standard 790 (ASTM E 108) Classification

Class A with most roof membrane systems. See UL Roofing Materials & Systems Directory.

UL Standard 263 Fire Resistance Classification (ASTM E 119)

Some classifications for fire resistance are P225, P230, P259, P508, P510, P514, P701, P710, P713, P717, P718, P719, P720, P722, P723, P924, P725, P727, P728, P729, P730, P732, P801, P814, P815, P818, P819, P823 and P828. See UL Fire Resistance Directory for updated listings.

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by "in-house" and independent "third party" evaluation for the purpose of classification and or approval. Acceptance, purchase and selection of these products are the sole responsibility of the buyer or buyer's representative.

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