



# TECHNICAL DATA SHEET - RCABC

STOCK NO. 4600XXX

July, 2016

## Cambridge IR

This premium heavyweight laminated shingle is composed of a dimensionally stable non-woven glass fiber mat, which is thoroughly impregnated with stabilized waterproofing bitumen. The weather side bitumen is blended with IKO-SBS modifiers to yield a modified bitumen surface, allowing the product to achieve UL 2218 Class 4 impact resistance testing. Cambridge IR is distinguished by its random shake-look design, unique dual band shadow coloration, and superior thermally activated shingle sealant. Colored, ceramic granules surface the tops of both layers of this shingle to protect the asphalt from ultraviolet radiation. Each shingle has release tape and mineral powder applied to the underside, thus preventing any sticking in the bundle. Special algae-inhibiting granules have been added to provide long-lasting algae resistance. Suitable for application on roof slopes greater than 4:12. Underlayment is strongly recommended for slopes below 6:12. They may also be applied on low slope roofs (2:12 to 4:12) providing the deck is covered with two plies of felt or one ply of any IKO Ice & Water Protector. This shingle conforms to requirements of CSA A123.5-M, ASTM D3018, ASTM E108 Class A, ASTM D3462, ASTM D3161 Class F, and ASTM D7158 Class H. IKO's asphalt shingles are produced and designed with consideration for environmental responsibility and sustainability, incorporating quality recycled components whenever possible, manufactured in facilities that comply with the most stringent government environmental regulations, and can therefore be a part of any "green" construction project.

CHARACTERISTIC	UNITS	NOMINAL VALUE	TEST METHOD	STANDARD LIMITS
QUANTITY PER PALLET:	-	56	-	N/A
PALLET SIZE:	cm (in)	101 x 135 (40 x 53)	-	-
LENGTH:	mm (in)	1038 (40 7/8)	-	± 6 (± 1/4)
WIDTH:	mm (in)	349 (13 3/4)	-	± 3 (± 1/8)
HEADLAP:	mm (in)	50 (2)	-	MIN: 50 (2)
BUNDLE QUANTITY:	-	20	-	-
COVERAGE PER BUNDLE:	ft <sup>2</sup> (m <sup>2</sup> )	33.3 (3.1)	-	-
EXPOSURE:	mm (in)	149 (5 7/8)	-	-
TEAR STRENGTH:	g	PASS	ASTM D1922	MIN: 1700
HEAT RESISTANCE:	-	PASS	*	90 °C (192 °F)
GRANULE RETENTION:	%	PASS	ASTM D4977	MIN: 86
FIRE RATING:	-	CLASS A	ASTM E108	MIN: CLASS A
APPLIED WEIGHT:	kg/10 m <sup>2</sup> (lbs/sq)	112 (230)	-	-
BUNDLE WEIGHT:	kgs (lbs)	34.8 (76.75)	-	-

\* Sample shows no sliding or dripping of the bitumen coating when suspended vertically in an oven at 90 °C (192 °F) for 2 hours.

See also Material Information Sheet – MIS # 1213

*The information on this Technical Data sheet is based upon data considered to be true and accurate, based on laboratory tests and production measurements, and is offered solely for the user's consideration, investigation and verification. Nothing contained herein is representative of a warranty or guarantee for which the manufacturer can be held legally responsible. The manufacturer does not assume any responsibility for any misrepresentation or assumptions the reader may formulate.*