



TECHNICAL DATA SHEET

STOCK NO. 4665XXX

July, 2014

ROYAL ESTATE

This heavyweight, laminated shingle is composed of a dimensionally stable non-woven glass fiber mat, which is thoroughly impregnated with stabilized waterproofing bitumen. Royal Estate is distinguished by a uniquely synchronized manufacturing process which results in distinctly colored shingle tabs. A superior thermally activated shingle sealant helps ensure roof system wind resistance. Colored, ceramic granules surface the top 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, 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:	-	52	-	N/A
PALLET SIZE:	cm (in)	101 x 135 (40 x 53)	-	-
LENGTH:	mm (in)	1016 (40)	-	± 6 (± 1/4)
WIDTH:	mm (in)	337 (13 1/4)	-	± 3 (± 1/8)
HEADLAP:	mm (in)	50 (2)	-	MIN: 50 (2)
BUNDLE QUANTITY:	-	20-22-22	-	-
COVERAGE PER BUNDLE:	ft ² (m ²)	33.3 (3.1)	-	-
EXPOSURE:	mm (in)	143 (5 5/8)	-	-
TEAR STRENGTH:	g	PASS	ASTM D1922	MIN: 1700
HEAT RESISTANCE:	-	PASS	*	90°C (192°F)
STABILIZED BITUMEN WEIGHT:	g/m ² (lbs/100 ft ²)	PASS	ASTM D228	MIN: 2000 (41)
GRANULE RETENTION:	%	PASS	ASTM D4977	MIN: 86
FIRE RATING:	-	CLASS A	ASTM E108	MIN: CLASS A

* 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 # 1513, MIS # 1713, MIS # 1813

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