



# TECHNICAL DATA SHEET

STOCK NO. 4460XXX

July, 2010

## SUPERGLASS ULTRA AR

This top-of-the-line shingle is composed of a resilient, inorganic glass base that is coated and permeated with additional weather-resistant asphalt. As a three-tab, heavyweight shingle, Superglass Ultra AR provides the assurance of long lasting performance and is surfaced with ceramic colored granules, which 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. This shingle meets ASTM D3018, ASTM D3161 Class F, ASTM D3462, ASTM E108 Class A, CSA A123.5, and ASTM D7158 Class H shingle compositional and performance characteristics, and can be applied to roofs with slopes of 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 cemented together or one ply of CRC StormTamer Ice & Water Protector. CRC'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)	1000 (39 3/8)	-	± 3 (± 1/8)
WIDTH:	mm (in)	336 (13 3/4)	-	± 3 (± 1/8)
HEADLAP:	mm (in)	50 (2)	-	MIN: 50 (2)
BUNDLE QUANTITY:	-	21	-	-
COVERAGE PER BUNDLE:	ft <sup>2</sup> (m <sup>2</sup> )	32.3 (3.0)	-	-
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 <sup>2</sup> (lbs/100 ft <sup>2</sup> )	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

*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.*



# TECHNICAL DATA SHEET

STOCK NO. 4791XXX

July, 2010

## SUPERGLASS 25 M AR

This heavyweight shingle is composed of a resilient, inorganic glass base that is coated and permeated with additional weather-resistant asphalt. As a three-tab, heavyweight shingle, Superglass 25 M AR provides the assurance of long lasting performance and is surfaced with ceramic colored granules, which 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. This shingle meets ASTM D3018, ASTM D3161 Class F, ASTM D3462, ASTM E108 Class A, CSA A123.5 and ASTM D7158 Class H shingle compositional and performance characteristics, and can be applied to roofs with slopes of greater than 4:12. Underlayment is strongly recommended for 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 cemented together or one ply of CRC StormTamer Ice and Water Protector. Do not install to roofs below 2:12. CRC'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:	-	60	-	N/A
PALLET SIZE:	cm (in)	101 x 135 (40 x 53)	-	-
LENGTH:	mm (in)	1000 (39 3/8)	-	± 3 (± 1/8)
WIDTH:	mm (in)	336 (13 1/4)	-	± 3 (± 1/8)
HEADLAP:	mm (in)	50 (2)	-	MIN: 50 (2)
BUNDLE QUANTITY:	-	21	-	-
COVERAGE PER BUNDLE:	ft <sup>2</sup> (m <sup>2</sup> )	32.3 (3.0)	-	-
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 <sup>2</sup> (lbs/100 ft <sup>2</sup> )	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.

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STOCK NO. 4060XXX

# TECHNICAL DATA SHEET

July, 2010

## SUPERGLASS 25 M

This heavyweight shingle is composed of a resilient, inorganic glass base that is coated and permeated with additional weather-resistant asphalt. As a three-tab, heavyweight shingle, Superglass 25 M provides the assurance of long lasting performance and is surfaced with ceramic colored granules, which 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. This shingle meets ASTM D3018, ASTM D3161 Class F, ASTM D3462, ASTM E108 Class A, CSA A123.5, and ASTM D7158 Class H shingle compositional and performance characteristics, and can be applied to roofs with slopes of greater than 4:12 (underlayment is strongly recommended for 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 cemented together or one ply of CRC StormTamer Ice & Water Protector. Do not install to roofs below 2:12. Shingles produced at Sumas conform to ICC evaluation ER-5796. CRC'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.

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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.

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