

BUILDING PRODUCTS LISTING PROGRAM

Customer: G.E.M. Incorporated
Class: Roof Coverings
Location: Calgary, Alberta
Website: www.euroshieldroofing.com

Listing No. B1092-1
Project No. B1092-1 Edition 4

Effective Date: June 10, 2016
Last Revised Date: April 24, 2019

Standards: ASTM E108 “Standard Test Methods for Fire Tests of Roof Coverings”
CAN/ULC S107 “Methods of Fire Tests of Roof Coverings”
UL 2218 “Standard for Impact Resistance of Prepared Roof Covering Materials”

Product: Euroshield® Recycled Composite Roof Covering Products as outlined below:

- Harvest Shake
- Granville Slate
- Ranchlands Shake
- Rundle Slate
- Beaumont Shake
- Beaumont Shake Loc

Markings: Product is marked with labels supplied by G.E.M. Incorporated. The label includes:

- a) Manufacturer’s name
- b) Product name
- c) Date of manufacture
- d) QAI logo with ‘c’ and ‘us’ identifier
- e) QAI Listing number (B1092)
- f) CAN/ULC S107 and ASTM E108 Fire Classification (Class C)
- g) UL 2218 Impact Classification (Class IV)

Labels are applied to palletized finished products to ensure visibility on the jobsite.

Models / Ratings: G.E.M. Incorporated manufactures roof covering products in the following configurations and ratings:

CAN/ULC S107 and ASTM E108 Class C Roofing Application: Unlimited slope

Roof Covering Product	Panel Dimensions			Deck Assembly
	Width	Height	Thickness	
Harvest Shake	40"	17"	1/2"	<u>Deck:</u> <ul style="list-style-type: none"> Minimum 1/2" AC Exterior grade plywood <u>Underlayment:</u> <ul style="list-style-type: none"> See Note 1 and 2 One layer fastened to the test deck with 2" overlap at horizontal joints
Granville Slate	40"	17"	3/8"	
Ranchlands Shake	36"	22-1/2"	3/4"	
Rundle Slate	36"	22-1/2"	3/4"	
Beaumont Shake	40"	20"	1/2"	<u>Deck:</u> <ul style="list-style-type: none"> Minimum 1/2" AC Exterior grade plywood <u>Underlayment:</u> <ul style="list-style-type: none"> See Note 1 and 2 One layer fastened to the test deck with 4" overlap at horizontal joints
Beaumont Shake Loc	40"	20"	1/2"	<u>Deck:</u> <ul style="list-style-type: none"> Minimum 1/2" AC Exterior grade plywood <u>Underlayment:</u> <ul style="list-style-type: none"> See Note 1 TU43 MB Technology layfast SBS ASTM D226 compliant Type II Underlayment One layer fastened to the test deck with 2" overlap at horizontal joints

Note 1: Underlayment and roof covering products are to be installed with mechanical fasteners in accordance with the manufacturer's published installation instructions. Self-adhering or adhesive applied underlayment installations are outside the scope of this listing.

Note 2: Underlayment shall be a listed ASTM D226 complying Type II felt underlayment.

UL 2218 Impact Resistant Class IV Roofing Application: Unlimited slope

Roof Covering Product	Panel Dimensions			Deck Assembly
	Width	Height	Thickness	
Harvest Shake	40"	17"	1/2"	<u>Deck:</u> <ul style="list-style-type: none"> Minimum 1/2" AC Exterior grade plywood <u>Underlayment:</u> <ul style="list-style-type: none"> See Note 1 and 2 One layer fastened to the test deck with 2" overlap at horizontal joints
Granville Slate	40"	17"	3/8"	
Ranchlands Shake	36"	22-1/2"	3/4"	
Rundle Slate	36"	22-1/2"	3/4"	
Beaumont Shake	40"	20"	1/2"	<u>Deck:</u> <ul style="list-style-type: none"> Minimum 1/2" AC Exterior grade plywood <u>Underlayment:</u> <ul style="list-style-type: none"> See Note 1 and 2 One layer fastened to the test deck with 4" overlap at horizontal joints
Beaumont Shake Loc	40"	20"	1/2"	<u>Deck:</u> <ul style="list-style-type: none"> Minimum 1/2" AC Exterior grade plywood <u>Underlayment:</u> <ul style="list-style-type: none"> See Note 1 TU43 MB Technology layfast SBS ASTM D226 compliant Type II Underlayment One layer fastened to the test deck with 2" overlap at horizontal joints

Note 1: Underlayment and roof covering products are to be installed with mechanical fasteners in accordance with the manufacturer's published installation instructions. Self-adhering or adhesive applied underlayment installations are outside the scope of this listing.

Note 2: Underlayment shall be a listed ASTM D226 complying Type II felt underlayment.

Note: The materials, products or systems listed herein have been qualified to bear the QAI Listing Mark under the conditions stated with each Listing. Only those products bearing the QAI Listing Mark are considered to be listed by QAI. No warrantee is expressed or implied, and no guarantee is provided that any jurisdictional authority will accept the Listing found herein. The appropriate authorities should be contacted regarding the acceptability of any given Listing. Visit the QAI Online Listing Directory located at www.qai.org for the most up to date version of this Listing and to validate that this QAI Listing is active. Questions regarding this listing may be directed to info@qai.org. Please include the listing number in the request.
