MASTER SPECIFICATION

PRECAST CONCRETE PAVERS, SLABS AND WALLS

1. – GENERAL
	1. – SECTION CONTENT
2. General instructions specific to this section.
3. Exterior landscaping works of prefabricated concrete pavers, slabs, and retaining walls consisting of the following products:
	1. Precast concrete pavers
	2. Precast concrete slabs
	3. Prefabricated precast concrete walls
	4. Bedding and jointing materials
4. Maintenance and cleaning instructions for the work.
5. Appendix of all products concerned by this master specification.
	1. – REFERENCE STANDARDS
6. ASTM International Inc.
	1. **ASTM C979**, Standard Specification for Pigments for Integrally Coloured Concrete
	2. **ASTM C 1372**, Standard Specification for Segmental Retaining Wall
7. Canadian Standards Association (CSA)/CSA International
8. **CSA A231.2**, Precast Concrete Pavers
9. **CSA A231.1**, Precast concrete paving slabs
10. **CSA A283**, Qualification code for concrete testing laboratories
11. **CSA A23.1**, Concrete: Components and workmanship
	1. – MOCK-UP
12. Set up a [3] m X [3] m mock-up. This will be used to determine the proper base preparation, product installation pattern, product colours and textures.
13. Once approved by the architect, the mock-up will serve as the benchmark for assessing the work’s compliance and can be seamlessly integrated into the project.
14. Protect this mock-up in preparation for its integration into the final project.
15. – PRODUCTS
	1. – MANUFACTURERS
16. The concrete elements described below are manufactured by PERMACON.
17. Any proposal for a component deemed equivalent must be submitted to the architect for written approval, which will be based on the content of technical documents comparable to those of PERMACON (in terms of testing standards, performance, manufacturing, durability, finishes, colours and other parameters) and on samples provided by competing manufacturers.
	1. – PREFABRICATED CONCRETE PAVERS

Concrete precast pavers compliant with CSA A231.2 standards and the following specifications.

***Note****: The required product information to complete this section can be found in Section 4 – APPENDIX.*

1. PRODUCT AND COLOURS:
	1. Product name: \_\_\_\_\_\_\_\_\_\_
	2. Finish(es): \_\_\_\_\_\_\_\_\_\_
	3. Colour(s): \_\_\_\_\_\_\_\_\_\_
	4. Size (thickness x height x length): \_\_\_\_\_\_\_\_\_\_
2. PAVER FEATURES:
3. Compressive strength:
	* 1. +45 MPa
		2. 50 MPa (average)
4. De-icing salts freeze-thaw durability:
5. 225 g/m² after 28 cycles
6. 500 g/m² after 49 cycles
7. Dimension tolerance:
8. Length: -1.0 mm to +2.0 mm
9. Width: -1.0 mm to +2.0 mm
10. Height: ±3.0 mm
11. For Institutional or Industrial applications, precast concrete pavers must be full thickness and should not be of the facemix type.
	1. – PRECAST CONCRETE SLABS

Concrete precast slabs compliant with CSA A231.1 standards and the following specifications.

***Note****: The required product information to complete this section can be found in Section 4 – APPENDIX.*

1. PRODUCT AND COLOURS:
2. Product name: \_\_\_\_\_\_\_\_\_\_
3. Finish(es): \_\_\_\_\_\_\_\_\_\_
4. Colour(s): \_\_\_\_\_\_\_\_\_\_
5. Dimensions (thickness x height x length): \_\_\_\_\_\_\_\_\_\_
6. SLAB FEATURES:
7. Flexural strength:
8. ±4.5 MPa
9. De-icing salts freeze-thaw durability:
10. 225 g/m² after 28 cycles
11. 500 g/m² after 49 cycles
12. Dimension tolerance:
13. Length: -1.0 mm to +2.0 mm
14. Width: -1.0 mm to +2.0 mm
15. Height: ±3.0 mm
16. For Institutional or Industrial applications, precast concrete pavers must be full thickness and should not be of the facemix type.
	1. – PREFABRICATED CONCRETE RETAINING WALL BLOCKS

Precast concrete retaining wall blocks compliant with ASTM C 1372 standards and the following specifications.

***Note****: The required product information to complete this section can be found in Section 4 – APPENDIX.*

1. FORMAT AND COLOURS:
2. Product name: \_\_\_\_\_\_\_\_\_\_
3. Finish(es): \_\_\_\_\_\_\_\_\_\_
4. Colour(s): \_\_\_\_\_\_\_\_\_\_
5. Dimensions (thickness x height x length): \_\_\_\_\_\_\_\_\_\_
6. RETAINING WALL BLOCK FEATURES:
7. Compressive strength:
8. 20.7 MPa
9. Dimension tolerance:
10. Length: ±3.2 mm
11. Width: ±3.2 mm
12. Height: ±3.2 mm
	1. – BEDDING AND JOINTING MATERIALS

***Note****: When installing the bedding layer, choose sand according to the use of the paving surfaces, ease of supply and quality of materials in the region. We suggest the Techniseal brand for its quality and ease of supply for as jointing material.*

1. Bedding sand: clean, non-plastic, natural or crushed stone or gravel, free of foreign matter and harmful substances. Stone dust and limestone screenings should not be used.
2. Grain size: according to the table below – "Grain size limits for fine aggregate" in CAN/CSA A23.1 and CSA A179:

|  |  |  |
| --- | --- | --- |
| Sieve designation | % passing for joints | % passing for bedding |
| 10 mm | [100] |  |
| 5 mm | [95-100] | 100 |
| 2.5 mm | [80-100] | 90 to 100 |
| 1.25 mm | [50-90] | 85 to 100 |
| 0.630 mm | [25-65] | 65 to 95 |
| 0.315 mm | [10-35] | 15 to 80 |
| 0.160 mm | [2-10] | 0 to 35 |
| 0.075 mm | [0-1] | 0 to 1 |

1. – EXECUTION
	1. – CLEANING
2. Perform cleaning in strict adherence to the manufacturer’s recommended conditions and timing [immediately before applying the sealant] and to [the professional’s name] instructions.
3. Remove any loose foreign matter from the surface.
4. Apply the appropriate cleaning products to remove any soiling, in accordance with the manufacturer’s recommendations.
5. Leave the finished surface free of dirt.
6. – APPENDIX

List and description of landscaping products:

PAVERS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pavers | Finish | Colours | Size (thickness x width x length) | Standard  |
| Brooklyn | Textured | *Midnight**Rosewood* | **A**: 60 x 230 x 76 mm | **A**: 2 3/8 x 9 x 3 in. | CSA A231.2 |
| Capio | Smooth | *Range Amber Beige**Range Newport Grey**Range Scandina Grey**Rockland Black* | **A**: 60 x 152 x 102 mm**B**: 60 x 152 x 152 mm**C**: 60 x 152 x 203 mm**D**: 60 x 152 x 254 mm**E**: 60 x 152 x 305 mm | **A**: 2 3/8 x 6 x 4 in.**B**: 2 3/8 x 6 x 6 in.**C**: 2 3/8 x 6 x 8 in.**D**: 2 3/8 x 6 x 10 in.**E**: 2 3/8 x 6 x 12 in. | CSA A231.2 |
| Cassara Large Rectangle | Smooth | *Range Amber Beige* *Range Scandina Grey* *Range Shaded Grey*  | **A**: 100 x 300 x 700 mm | **A**: 4 x 11 13/16 x 27 9/16 in. | CSA A231.2 |
| Cassara Verde | Smooth | *Range Shaded Grey* | **A**: 80 x 300 x 450 mm | **A**: 3 1/8 x 11 13/16 x 17 ¾ in. | CSA A231.2 |
| Eko | Smooth | *Ash Grey Blend**Granite Blend* | **A**: 70 x 180 x 360 mm**B**: 70 x 360 x 360 mm**C**: 70 x 360 x 540 mm | **A**: 2 3/4 x 7 x 14 1/8 in.**B**: 2 3/4 x 14 1/8 x 14 1/8 in.**C**: 2 3/4 x 14 1/8 x 21 1/4 in. | CSA A231.2 |
| Eko Small Rectangle | Smooth | *Sierra Black* | **A**: 70 x 180 x 360 mm | **A**: 2 3/4 x 7 x 14 1/8 in.  | CSA A231.2 |
| Esbelto DuraFusion | Smooth | *DuraFusion Hickory DuraFusion Oasis**DuraFusion MarbellaDuraFusion Silverstone* | **A**: 80 x 305 x 610 mm | **A**: 3 1/8 x 12 x 24 in. | CSA A231.2 |
| Kensington  | Textured | *Ash Grey Blend**Canyon Grey Blend**Desert Grey Blend**Granite Blend* | **A**: 80 x 139 x 279 mm**B**: 80 x 279 x 279 mm**C**: 80 x 279 x 419 mm | **A**: 3 1/8 x 5 1/2 x 11 in.**B**: 3 1/8 x 11 x 11 in.**C**: 3 1/8 x 11 x 16 1/2 in. | CSA A231.2 |
| Kensington Rectangle  | Textured | *Sierra Black* | **A**: 80 x 209 x 279 mm | **A**: 3 1/8 x 8 1/4 x 11 in. | CSA A231.2 |
| Kensington Smooth  | Smooth | *Ash Grey Blend**Canyon Grey Blend**Desert Grey Blend**Granite Blend* | **A**: 80 x 139 x 279 mm**B**: 80 x 279 x 279 mm**C**: 80 x 279 x 419 mm | **A**: 3 1/8 x 5 1/2 x 11 in.**B**: 3 1/8 x 11 x 11 in.**C**: 3 1/8 x 11 x 16 1/2 in.  | CSA A231.2 |
| Kensington Smooth Rectangle  | Textured | *Sierra Black* | **A**: 80 x 209 x 279 mm | **A**: 3 1/8 x 8 1/4 x 11 in. | CSA A231.2 |
| Mega Melville | Smooth | *Range Amber BeigeRange Chambord GreyRange Margaux Beige* *Range Newport Grey* *Range Scandina Grey* *Range Shaded Grey* *Rockland Black* | **A**: 80 x 570 x 950 mm | **A**: 3 1/8 x 22 7/16 x 37 3/8 in. | CSA A231.2 |
| Melia 6 x 6 DuraFusion | Textured | *DuraFusion MarbellaDuraFusion Oasis* | **A**: 60 x 152 x 152 mm | **A**: 2 3/8 x 6 x 6 in. | CSA A231.2 |
| Melville 80 and Melville 80 DuraFusion | Smooth | *DuraFusion Hickory DuraFusion Marbella**DuraFusion OasisDuraFusion SilverstoneRange Amber BeigeRange Chambord Grey* *Range Margaux BeigeRange Newport Grey* *Range Scandina Grey* *Range Shaded Grey**Rockland Black* | **A**: 80 x 190 x 380 mm**B**: 80 x 380 x 380 mm**C**: 80 x 380 x 570 mm | **A**: 3 1/8 x 7 1/2 x 15 in.**B**: 3 1/8 x 15 x 15 in.**C**: 3 1/8 x 15 x 22 7/16 in. | CSA A231.2 |
| Melville 60 Small Rectangle | Smooth | *Range Amber Beige**Range Shaded Grey**Range Scandina Grey**Rockland Black* | **A**: 60 x 190 x 380 mm | **A**: 2 3/8 x 7 1/2 x 15 in. | CSA A231.2 |
| Melville 80 Small Rectangle | Smooth | *Range Amber Beige**Range Shaded Grey**Range Scandina Grey**Rockland Black* | **A**: 80 x 190 x 380 mm | **A**: 3 1/8 x 7 1/2 x 15 in. | CSA A231.2 |
| Melville Plank Slim | Smooth | *Range Scandina Grey**Rockland Black* | **A**: 80 x 127 x 300 mm**B**: 80 x 127 x 400 mm**C**: 80 x 127 x 500 mm | **A**: 3 1/8 x 5 x 11 13/16 in.**B**: 3 1/8 x 5 x 15 3/4 in**C**: 3 1/8 x 5 x 19 11/16 in. | CSA A231.2 |
| Melville Plank Large | Smooth | *Range Scandina Grey**Rockland Black* | **A**: 80 x 190 x 300 mm**B**: 80 x 190 x 400 mm**C**: 80 x 190 x 500 mm | **A**: 3 1/8 x 7 1/2 x 11 13/16 in.**B**: 3 1/8 x 7 1/2 x 15 3/4 in.**C**: 3 1/8 x 7 1/2 x 19 11/16 in. | CSA A231.2 |
| Melville Classic 60 / Niagara 60 | Smooth | *Grey / Natural* | **A**: 60 x 98 x 198 mm | **A**: 2 3/8 x 3 15/16 x 7 7/8 in. | CSA A231.2 |
| Mondrian Plus 80 | Textured | *Range Amboise BeigeRange Margaux BeigeRange Newport Grey* *Range Norvick Grey* *Range Scandina Grey* | **A**: 80 x 165 x 330 mm**B**: 80 x 330 x 330 mm**C**: 80 x 330 x 495 mm | **A**: 3 1/8 x 6 1/2 x 13 in.**B**: 3 1/8 x 13 x 13 in. **C**: 3 1/8 x 13 x 19 1/2 in. | CSA A231.2 |
| Mondrian Plus 60 Small Rectangle | Textured | *Rockland Black* | **A**: 60 x 330 x 165 mm | **A**: 2 3/8 x 13 x 6 1/2 in. | CSA A231.2 |
| Mondrian Plus 80 Small Rectangle | Textured | *Rockland Black* | **A**: 80 x 330 x 165 mm | **A**: 3 1/8 x 13 x 6 1/2 in. | CSA A231.2 |
| Paleo Plus | Smooth | *Range Bourbon Beige**Range Norvick Grey* | **A**: 60 x 150 x 130 mm**B**: 60 x 150 x 150 mm**C**: 60 x 150 x 170 mm**D**: 60 x 150 x 188 mm | **A**: 2 3/8 x 5 5/7 x 5 1/8 in.**B**: 2 3/8 x 5 5/7 x 5 7/8 in.**C**: 2 3/8 x 5 5/7 x 6 11/16 in.**D**: 2 3/8 x 5 5/7 x 7 3/8 in. | CSA A231.2 |
| Trafalgar | Textured | *Range Amboise BeigeRange Margaux BeigeRange Newport Grey* *Range Norvick Grey*  | **A**: 60 x 100 x 200 mm**B**: 60 x 200 x 200 mm**C**: 60 x 300 x 200 mm | **A**: 2 3/8 x 3 15/16 x 7 7/8 in.**B**: 2 3/8 x 7 7/8 x 7 7/8 in.**C**: 2 3/8 x 11 13/16 x 7 7/8 in. | CSA A231.2 |
| Vendome 60 | Textured | *Range Margaux BeigeRange Newport Grey* *Rockland Black* | **A**: 60 x 130 x 197 mm**B**: 60 x 130 x 262 mm**C**: 60 x 130 x 327 mm | **A**: 2 3/8 x 5 1/8 x 7 3/4 in.**B**: 2 3/8 x 5 1/8 x 10 5/16 in.**C**: 2 3/8 x 5 1/8 x 12 7/8 in. | CSA A231.2 |
| Vendome 80 | Textured | *Range Margaux BeigeRange Newport Grey**Rockland Black* | **A**: 80 x 130 x 197 mm**B**: 80 x 130 x 262 mm**C**: 80 x 130 x 327 mm | **A**: 3 1/8 x 5 1/8 x 7 3/4 in.**B**: 3 1/8 x 5 1/8 x 10 5/16 in.**C**: 3 1/8 x 5 1/8 x 12 7/8 in. | CSA A231.2 |
| Virage | Smooth | *Range Scandina Grey* | **A**: 80 x 300 x 300 mm | **A**: 3 1/8 x 11 7/8 x 11 7/8 in. | CSA A231.2 |
| Zen | Smooth | *Range Amber BeigeRange Scandina Grey* | **A**: 80 x 190 x 380 mm | **A**: 3 1/8 x 7 1/2 x 15 in. | CSA A231.2 |
| Agora 80 | Smooth | *Range Amber Beige* *Range Scandina Grey* *Range Shaded Grey* *Rockland Black* | **A**: 80 x 167 x 300 mm**B**: 80 x 200 x 300 mm**C**: 80 x 233 x 300 mm | **A**: 3 1/8 x 6 9/16 x 11 in.**B**: 3 1/8 x 7 7/8 x 11 in.**C**: 3 1/8 x 9 3/16 x 11 in. | CSA A231.2 |
| Agora 80 Large Rectangle | Smooth | *Range Amber Beige* *Range Scandina Grey* *Range Shaded Grey**Rockland Black* | **A**: 80 x 233 x 300 mm | **A**: 3 1/8 x 9 3/16 x 11 in. | CSA A231.2 |
| Agora 100 | Smooth | *Range Amber Beige* *Range Scandina Grey* *Range Shaded Grey**Rockland Black* | **A**: 100 x 167 x 300 mm**B**: 100 x 200 x 300 mm**C**: 100 x 233 x 300 mm | **A**: 4 x 6 9/16 x 11 in.**B**: 4 x 7 7/8 x 11 in.**C**: 4 x 9 3/16 x 11 in. | CSA A231.2 |
| Agora 100 Large Rectangle | Smooth | *Range Amber Beige* *Range Scandina Grey* *Range Shaded Grey**Rockland Black* | **A**: 100 x 233 x 300 mm | **A**: 4 x 9 3/16 x 11" | CSA A231.2 |
| Agora Aqua | Smooth | *Range Amber Beige* *Range Scandina Grey* *Range Shaded Grey**Rockland Black* | **A**: 80 x 167 x 300 mm**B**: 80 x 200 x 300 mm**C**: 80 x 233 x 300 mm | **A**: 3 1/8 x 6 9/16 x 11 in.**B**: 3 1/8 x 7 7/8 x 11 in.**C**: 3 1/8 x 9 3/16 x 11 in. | CSA A231.2 |
| Agora Aqua Large Rectangle | Smooth | *Range Amber Beige* *Range Scandina Grey* *Range Shaded Grey**Rockland Black* | **A**: 80 x 233 x 300 mm | **A**: 3 1/8 x 9 3/16 x 11 in. | CSA A231.2 |
| AquaPave | Smooth | *Natural* | **A**: 80 x 98 x 198 mm | **A**: 3 1/8 x 3 41/48 x 7 in. | CSA A231.2 |
| Boulevard 300 | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 100 x 100 x 300 mm**B**: 100 x 100 x 450 mm**C**: 100 x 150 x 450 mm**D**: 100 x 150 x 150 mm**E**: 100 x 150 x 300 mm**F**: 100 x 300 x 300 mm**G**: 100 x 200 x 600 mm**H**: 100 x 300 x 600 mm**I**: 100 x 600 x 600 mm**J**: 100 x 100 x 600 mm**K**: 100 x 200 x 400 mm | **A**: 4 x 4 x 11 13/16 in.**B**: 4 x 4 x 17 3/4 in.**C**: 4 x 5 7/8 x 17 3/4 in.**D**: 4 x 5 7/8 x 5 7/8 in.**E**: 4 x 5 7/8 x 11 13/16 in.**F**: 4 x 11 13/16 x 11 13/16 in.**G**: 4 x 7 7/8 x 23 5/8 in.**H**: 4 x 11 13/16 x 23 5/8 in.**I**: 4 x 23 5/8 x 23 5/8in.**J**: 4 x 4 x 23 5/8 in.**K**: 4 x 7 7/8 x 15 3/4 in. | CSA A231.2 |
| Granitech | *Beige* *Beige GreyCambrian Black* *Cambrian Brown**Charcoal* *Cinder GreyLight CharcoalLight GreyOpal WhiteStanstead Grey* | **A**: 100 x 100 x 300 mm**B**: 100 x 100 x 450 mm**C**: 100 x 150 x 450 mm**D**: 100 x 150 x 150 mm**E**: 100 x 150 x 300 mm**F**: 100 x 300 x 300 mm**G**: 100 x 200 x 600 mm**H**: 100 x 300 x 600 mm**I**: 100 x 600 x 600 mm**J**: 100 x 100 x 600 mm**K**: 100 x 200 x 400 mm | **A**: 4 x 4 x 11 13/16 in.**B**: 4 x 4 x 17 3/4 in.**C**: 4 x 5 7/8 x 17 3/4 in.**D**: 4 x 5 7/8 x 5 7/8 in.**E**: 4 x 5 7/8 x 11 13/16 in.**F**: 4 x 11 13/16 x 11 13/16 in.**G**: 4 x 7 7/8 x 23 5/8 in.**H**: 4 x 11 13/16 x 23 5/8 in.**I**: 4 x 23 5/8 x 23 5/8in.**J**: 4 x 4 x 23 5/8 in.**K**: 4 x 7 7/8 x 15 3/4 in. |
| Boulevard 500 | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 100 x 500 x 500 mm | **A**: 4 x 19 11/16 x 19 11/16 in. | CSA A231.2 |
| Granitech | *Beige* *Beige GreyCambrian Black* *Cambrian Brown**Charcoal* *Cinder GreyLight CharcoalLight GreyOpal WhiteStanstead Grey* | **A**: 100 x 500 x 500 mm | **A**: 4 x 19 11/16 x 19 11/16 in. |
| Boulevard Drain | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 100 x 209 x 209 mm**B**: 100 x 150 x 300 mm | **A**: 4 x 8 1/4 x 8 1/4 in.**B**: 4 x 5 7/8 x 11 13/16 in. | CSA A231.2 |
| Granitech | *Beige* *Beige GreyCambrian Black* *Cambrian Brown**Charcoal* *Cinder GreyLight CharcoalLight GreyOpal WhiteStanstead Grey* | **A**: 100 x 209 x 209 mm**B**: 100 x 150 x 300 mm | **A**: 4 x 8 1/4 x 8 1/4 in.**B**: 4 x 5 7/8 x 11 13/16 in. |
| Boulevard Hexagon | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 100 x 256 x 300 mm | **A**: 4 x 10 1/16 x 11 13/16 in. | CSA A231.2 |
| Boulevard Tactile | Textured | *Cinder Grey* | **A**: 100 mm x 300 mm x 300 mm | **A**: 4" x 11 13/16" x 11 13/16" | CSA A231.2 |
| Boulevard Verde | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 100 x 300 x 450 mm*(opening: 50%)* | **A**: 4 x 11 13/16 x 17 3/4 in.*(opening: 50%)* | CSA A231.2 |
| Boulevard Striated | Textured | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 100 x 300 x 300 mm | **A**: 4 x 11 13/16 x 11 13/16 in. | CSA A231.2 |
| Boulevard TLI 80 | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 80 x 120 x 240 mm | **A**: 3 1/8 x 4 3/4 x 9 1/2 in. | CSA A231.2 |
| Boulevard TLI 90 | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 90 x 160 x 240 mm**B**: 90 x 320 x 520 mm | **A**: 3 1/2 x 6 5/16 x 9 1/2 in.**B**: 3 1/2 x 12 5/8 x 20 23/48 in. | CSA A231.2 |
| Granitech | *Beige* *Beige GreyCambrian Black* *Cambrian Brown**Charcoal* *Cinder GreyLight CharcoalLight GreyOpal WhiteStanstead Grey* | **A**: 90 x 160 x 240 mm**B**: 90 x 320 x 520 mm | **A**: 3 1/2 x 6 5/16 x 9 1/2 in.**B**: 3 1/2 x 12 5/8 x 20 23/48 in. |
| Boulevard TLI 100 | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 100 x 150 x 300 mm**B**: 100 x 300 x 300 mm**C**: 100 x 300 x 700 mm | **A**: 4 x 5 7/8 x 11 13/16 in.**B**: 4 x 11 13/16 x 11 13/16 in.**C**: 4 x 11 13/16 x 27 9/16 in. | CSA A231.2 |
| Granitech | *Beige* *Beige GreyCambrian Black* *Cambrian Brown**Charcoal* *Cinder GreyLight CharcoalLight GreyOpal WhiteStanstead Grey* | **A**: 100 x 150 x 300 mm**B**: 100 x 300 x 300 mm | **A**: 4 x 5 7/8 x 11 13/16 in.**B**: 4 x 11 13/16 x 11 13/16 in. |
| Boulevard TLI 150 | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 150 x 500 x 125 mm**B**: 150 x 500 x 250 mm**C**: 150 x 500 x 500 mm**D**: 150 x 500 x 750 mm**E**: 150 x 200 x 200 mm | **A**: 5 7/8 x 19 11/16 x 4 15/16 in.**B**: 5 7/8 x 19 11/16 x 9 7/8 in.**C**: 5 7/8 x 19 11/16 x 19 11/16 in.**D**: 5 7/8 x 19 11/16 x 29 1/2 in.**E**: 5 7/8 x 7 7/8 x 7 7/8 in. | CSA A231.2 |
| Granitech | *Beige* *Beige GreyCambrian Black* *Cambrian Brown**Charcoal* *Cinder GreyLight CharcoalLight GreyOpal WhiteStanstead Grey* | **A**: 150 x 500 x 125 mm**B**: 150 x 500 x 250 mm**C**: 150 x 500 x 500 mm**D**: 150 x 500 x 750 mm**E**: 150 x 200 x 200 mm | **A**: 5 7/8 x 19 11/16 x 4 15/16 in.**B**: 5 7/8 x 19 11/16 x 9 7/8 in.**C**: 5 7/8 x 19 11/16 x 19 11/16 in.**D**: 5 7/8 x 19 11/16 x 29 1/2 in.**E**: 5 7/8 x 7 7/8 x 7 7/8 in. |
| Boulevard TLI 90Crescendo 320 | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 90 x 320 x 300 mm**B**: 90 x 320 x 320 mm**C**: 90 x 320 x 360 mm**D**: 90 x 320 x 400 mm**E**: 90 x 320 x 440 mm | **A**: 3 1/2 x 12 5/8 x 9 1/2 in.**B**: 3 1/2 x 12 5/8 x 12 5/8 in.**C**: 3 1/2 x 12 5/8 x 14 3/16 in.**D**: 3 1/2 x 12 5/8 x 15 3/4 in.**E**: 3 1/2 x 12 5/8 x 17 5/16 in. | CSA A231.2 |
| Granitech | *Beige* *Beige GreyCambrian Black* *Cambrian Brown**Charcoal* *Cinder GreyLight CharcoalLight GreyOpal WhiteStanstead Grey* | **A**: 90 x 320 x 300 mm**B**: 90 x 320 x 320 mm**C**: 90 x 320 x 360 mm**D**: 90 x 320 x 400 mm**E**: 90 x 320 x 440 mm | **A**: 3 1/2 x 12 5/8 x 9 1/2 in.**B**: 3 1/2 x 12 5/8 x 12 5/8 in.**C**: 3 1/2 x 12 5/8 x 14 3/16 in.**D**: 3 1/2 x 12 5/8 x 15 3/4 in.**E**: 3 1/2 x 12 5/8 x 17 5/16 in. |
| Boulevard TLI 100Crescendo 300 | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 100 x 300 x 400 mm**B**: 100 x 300 x 500 mm**C**: 100 x 300 x 600 mm | **A**: 4 x 11 13/16 x 15 3/4 in.**B**: 4 x 11 13/16 x 19 11/16 in.**C**: 4 x 11 13/16 x 23 5/8 in. | CSA A231.2 |
| Boulevard TLI 150Crescendo 125 | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 150 x 125 x 333.33 mm**B**: 150 x 125 x 416.67 mm**C**: 150 x 125 x 458.33 mm**D**: 150 x 125 x 500 mm**E**: 150 x 125 x 541.67 mm**F**: 150 x 125 x 583.33 mm | **A**: 5 7/8 x 4 15/16 x 13 1/8 in.**B**: 5 7/8 x 4 15/16 x 16 3/8 in.**C**: 5 7/8 x 4 15/16 x 18 in.**D**: 5 7/8 x 4 15/16 x 19 11/16 in.**E**: 5 7/8 x 4 15/16 x 21 5/16 in.**F**: 5 7/8 x 4 15/16 x 23 in. | CSA A231.2 |
| Granitech | *Beige* *Beige GreyCambrian Black* *Cambrian Brown**Charcoal* *Cinder GreyLight CharcoalLight GreyOpal WhiteStanstead Grey* | **A**: 150 x 125 x 333.33 mm**B**: 150 x 125 x 416.67 mm**C**: 150 x 125 x 458.33 mm**D**: 150 x 125 x 500 mm**E**: 150 x 125 x 541.67 mm**F**: 150 x 125 x 583.33 mm | **A**: 5 7/8 x 4 15/16 x 13 1/8 in.**B**: 5 7/8 x 4 15/16 x 16 3/8 in.**C**: 5 7/8 x 4 15/16 x 18 in.**D**: 5 7/8 x 4 15/16 x 19 11/16 in.**E**: 5 7/8 x 4 15/16 x 21 5/16 in.**F**: 5 7/8 x 4 15/16 x 23 in. |
| Boulevard TLI 150Crescendo 320 | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 150 x 320 x 240 mm**B**: 150 x 320 x 320 mm**C**: 150 x 320 x 360 mm**D**: 150 x 320 x 400 mm**E**: 150 x 320 x 440 mm | **A**: 5 7/8 x 12 5/8 x 9 1/2 in.**B**: 5 7/8 x 12 5/8 x 12 5/8 in.**C**: 5 7/8 x 12 5/8 x 14 3/16 in.**D**: 5 7/8 x 12 5/8 x 15 3/4 in.**E**: 5 7/8 x 12 5/8 x 17 5/16 in. | CSA A231.2 |
| Granitech | *Beige* *Beige GreyCambrian Black* *Cambrian Brown**Charcoal* *Cinder GreyLight CharcoalLight GreyOpal WhiteStanstead Grey* | **A**: 150 x 320 x 240 mm**B**: 150 x 320 x 320 mm**C**: 150 x 320 x 360 mm**D**: 150 x 320 x 400 mm**E**: 150 x 320 x 440 mm | **A**: 5 7/8 x 12 5/8 x 9 1/2 in.**B**: 5 7/8 x 12 5/8 x 12 5/8 in.**C**: 5 7/8 x 12 5/8 x 14 3/16 in.**D**: 5 7/8 x 12 5/8 x 15 3/4 in.**E**: 5 7/8 x 12 5/8 x 17 5/16 in. |
| Boulevard TLI 200Crescendo 300 | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 200 x 300 x 300 mm**B**: 200 x 300 x 412.5 mm**C**: 200 x 300 x 487.5 mm**D**: 200 x 300 x 525 mm**E**: 200 x 300 x 562.5 mm**F**: 200 x 300 x 637.5 mm**G**: 200 x 300 x 675 mm | **A**: 7 7/8 x 11 13/16 x 11 13/16 in.**B**: 7 7/8 x 11 13/16 x 16 ¼ in.**C**: 7 7/8 x 11 13/16 x 19 3/16 in.**D**: 7 7/8 x 11 13/16 x 20 5/8 in.**E**: 7 7/8" x 11 13/16" x 22 1/8**F**: 7 7/8" x 11 13/16" x 25 1/8**G**: 7 7/8" x 11 13/16" x 26 9/16 | CSA A231.2 |
| Granitech | *Beige* *Beige GreyCambrian Black* *Cambrian Brown**Charcoal* *Cinder GreyLight CharcoalLight GreyOpal WhiteStanstead Grey* | **A**: 200 x 300 x 300 mm**B**: 200 x 300 x 412.5 mm**C**: 200 x 300 x 487.5 mm**D**: 200 x 300 x 525 mm**E**: 200 x 300 x 562.5 mm**F**: 200 x 300 x 637.5 mm**G**: 200 x 300 x 675 mm | **A**: 7 7/8 x 11 13/16 x 11 13/16 in.**B**: 7 7/8 x 11 13/16 x 16 ¼ in.**C**: 7 7/8 x 11 13/16 x 19 3/16 in.**D**: 7 7/8 x 11 13/16 x 20 5/8 in.**E**: 7 7/8" x 11 13/16" x 22 1/8**F**: 7 7/8" x 11 13/16" x 25 1/8**G**: 7 7/8" x 11 13/16" x 26 9/16 |
| Melville Classic 80 / Niagara 80 | Smooth | *Grey / Natural* | **A**: 80 x 100 x 200 mm | **A**: 3 1/8 x 3 15/16 x 7 7/8 in. | CSA A231.2 |
| Paleo-Tec | Smooth | *Light GreyRange Brownstone RedRange Norvick Grey**Rockland Black* | **A**: 100 x 140 x 220 mm | **A**: 4 x 5 1/2 x 8 5/8 in. | CSA A231.2 |
| Vertex | Smooth | *Beige* *Beige Grey**Black ETX**Charcoal**Cinder Grey**Light Charcoal**Light Grey**Red**White* | **A**: 100 x 150 and 300 x 600 mm**B**: 100 x 150 and 300 x 600 mm | **A**: 4 x 5 7/8 and 11 13/16 x 23 5/8 in.**B**: 4 x 5 7/8 and 11 13/16 x 23 5/8 in. | CSA A231.2 |

SLABS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Slabs | Finish | Colours | Size (thickness x width x length) | Standard  |
| Cassara Large Rectangle | Smooth | *Range Amber Beige* *Range Scandina Grey**Range Shaded Grey* *Rockland Black* | **A**: 60 x 300 x 700 mm | **A**: 2 3/8 x 11 13/16 x 27 9/16 in. | CSA A231.1 |
| City | Smooth | *Alpine Grey**Cameo BeigeSterling Grey* | **A**: 60 x 500 x 750 mm | **A**: 2 3/8 x 19 11/16 x 29 1/2 in. | CSA A231.1 |
| Esbelto and Esbelto DuraFusion | Smooth | *DuraFusion HickoryDuraFusion MarbellaDuraFusion Oasis**DuraFusion SilverstoneRange Amber BeigeRange Scandina Grey* | **A**: 60 x 305 x 610 mm | **A**: 2 3/8 x 12 x 24 in. | CSA A231.1 |
| Mega Melville | Smooth | *Range Amber BeigeRange Chambord GreyRange Margaux Beige* *Range Newport Grey* *Range Scandina Grey* *Range Shaded Grey* *Rockland Black* | **A**: 60 x 570 x 950 mm | **A**: 2 3/8 x 22 7/16 x 37 3/8 in. | CSA A231.1 |
| Melia DuraFusion | Textured | *DuraFusion MarbellaDuraFusion Oasis* | **A**: 60 x 226 x 457 mm**B**: 60 x 457 x 457 mm**C**: 60 x 457 x 686 mm | **A**: 2 3/8 x 9 x 18 in.**B**: 2 3/8 x 18 x 18 in.**C**: 2 3/8 x 18 x 27 in. | CSA A231.1 |
| Melia 18 x 36 DuraFusion | Textured | *DuraFusion MarbellaDuraFusion Oasis* | **A**: 60 x 457 x 914 mm | **A**: 2 3/8 x 18 x 36 in. | CSA A231.1 |
| Melville 24 x 24 | Smooth | *Range Amber Beige* *Range Newport Grey**Range Scandina Grey* | **A**: 60 x 610 x 610 mm | **A**: 2 3/8 x 24 x 24 in. | CSA A231.1 |
| Melville 60 and Melville 60 DuraFusion | Smooth | *DuraFusion Hickory* *DuraFusion MarbellaDuraFusion Oasis**DuraFusion SilverstoneRange Amber BeigeRange Chambord Grey* *Range Margaux BeigeRange Newport Grey* *Range Scandina Grey* *Range Shaded Grey**Rockland Black* | **A**: 60 x 190 x 380 mm**B**: 60 x 380 x 380 mm**C**: 60 x 380 x 570 mm | **A**: 2 3/8 x 7 1/2 x 15 in.**B**: 2 3/8 x 15 x 15 in.**C**: 2 3/8 x 15 x 22 7/16 in. | CSA A231.1 |
| Metrik | Smooth | *Range Scandina Grey**Rockland Black* | **A**: 60 x 70 x 280 mm | **A**: 2 3/8 x 2 3/4 x 11 in. | CSA A231.1 |
| Mondrian Plus 60 | Textured | *Range Amboise BeigeRange Margaux BeigeRange Newport Grey* *Range Norvick Grey* *Range Scandina Grey* | **A**: 60 x 165 x 330 mm**B**: 60 x 330 x 330 mm**C**: 60 x 330 x 495 mm | **A**: 2 3/8 in. x 6 1/2 x 13 in.**B**: 2 3/8 x 13 x 13 in.**C**: 2 3/8 x 13 x 19 1/2 in. | CSA A231.1 |
| Rosebel | Textured | *Range Amboise BeigeRange Margaux BeigeRange Newport GreyRange Norvick Grey* | **A**: 60 x 389 x 400 mm**B**: 60 x 389 x 500 mm | **A**: 2 3/8 x 15 5/16 x 22 in.**B**: 2 3/8 x 15 5/16 x 29 3/4 in. | CSA A231.1 |
| Vertex | Smooth | *Range Amber Beige**Range Scandina Grey* | **A**: 60 x 200 and 302 x 610 mm**B**: 60 x 200 and 302 x 610 mm | **A**: 2 3/8 x 7 7/8 and 11 7/8 x 24 in.**B**: 2 3/8 x 7 7/8 and 11 7/8 x 24 in. | CSA A231.1 |
| Wilfrid | Smooth | *Range Amber Beige**Range Newport GreyRange Scandina Grey* | **A**: 60 x 570 x 380 mm**B**: 60 x 570 x 570 mm**C**: 60 x 570 x 950 mm | **A**: 2 3/8 x 22 7/16 x 15 in.**B**: 2 3/8 x 22 7/16 x 22 7/16 in.**C**: 2 3/8 x 22 7/16 x 37 3/8 in. | CSA A231.1 |
| SmartCastReflect | Smooth | *White* | **A**: 50 x 600 x 600 mm | **A**: 2 x 23 5/8 x 23 5/8 in. | CSA A231.1 |
| Urban | Smooth | *Beige Grey**Cinder Grey**Light Grey**Range Bayona Grey* *White* | **A**: 55 x 610 x 610 mm | **A**: 2 3/16 x 24 x 24 in. | CSA A231.1 |
| Versailles | Textured | *Grey AlpinGrey Trenton* | **A**: 50 x 610 x 610 mm | **A**: 2 x 24 x 24 in. | CSA A231.1 |

WALLS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Walls | Finish | Colours | Size (height x thickness x length) | Standard  |
| Celtik | Textured | *Range Norvick GreyRange Sheffield Beige & Black* | **A:** 90 x 225 x 175 mm**B:** 90 x 225 x 265 mm**C:** 90 x 225 x 345 mm**D**: 90 x 225 x 435 mm | **A**: 3 9/16 x 8 7/8 x 6 7/8 in.**B**:3 9/16 x 8 7/8 x 10 7/16 in.**C**:3 9/16 x 8 7/8 x 13 9/16 in.**D**: 3 9/16 x 8 7/8 x 17 1/8 in. | ASTM C 1372 |
| Grande 375 Standard | Textured | *Grey* | **A**: 200 x 375 x 1000 mm | **A**: 7 7/8 x 14 3/4 x 39 3/8 in. | ASTM C 1372 |
| Grande 750 Standard | Textured | *Grey* | **A**: 200 x 750 x 1000 mm | **A**: 7 7/8 x 29 1/2 x 39 3/8 in. | ASTM C 1372 |
| Grande 1125 Standard | Textured | *Grey* | **A**: 200 x 1000 x 1000 mm | **A**: 7 7/8 x 44 5/16 x 39 3/8 in. | ASTM C 1372 |
| Grande Corner Unit | Textured | *Grey* | **A**: 200 x 500 x 1000 mm | **A**: 7 7/8 x 19 11/16 x 39 3/8 in. | ASTM C 1372 |
| Grande Wedge | Textured | *Grey* | **A**: 200 x 312.5 x 380 and 250 mm | **A**: 7 7/8 x 12 5/16 x 14 15/16 et 9 7/8 in. | ASTM C 1372 |
| Grande Smooth 375 Standard | Smooth | *Grey* | **A**: 200 x 375 x 1000 mm | **A**: 7 7/8 x 14 3/4 x 39 3/8 in. | ASTM C 1372 |
| Grande Smooth 750 Standard | Smooth | *Grey* | **A**: 200 x 750 x 1000 mm | **A**: 7 7/8 x 29 1/2 x 39 3/8 in. | ASTM C 1372 |
| Grande Smooth 1125 Standard | Smooth | *Grey* | **A**: 200 x 1000 x 1000 mm | **A**: 7 7/8 x 44 5/16 x 39 3/8 in. | ASTM C 1372 |
| Grande Smooth Corner Unit | Smooth | *Grey* | **A**: 200 x 500 x 1000 mm | **A**: 7 7/8 x 19 11/16 x 39 3/8 in. | ASTM C 1372 |
| Keystone Compact Straight-Face  | Textured | *Smoke Grey*  | **A**: 204 x 305 x 457 mm | **A**: 8 x 12 x 18 in. | ASTM C 1372 |
| Keystone Corner | Textured | *Smoke Grey*  | **A**: 204 x 230 x 450 mm | **A**: 8 x 9 x 18 in. | ASTM C 1372 |
| Lafitt Tandem90 | Textured | *Range Margaux BeigeRange Newport GreyRange Scandina Grey* | **A**: 90 x 67 x 201 mm**B**: 90 x 67 x 268 mm**C**: 90 x 67 x 335 mm**D**: 90 x 67 x 402 mm | **A**: 3 9/16 x 2 5/8 x 7 7/8 in.**B**: 3 9/16 x 2 5/8 x 10 1/2 in.**C**: 3 9/16 x 2 5/8 x 13 3/16 in.**D**: 3 9/16 x 2 5/8 x 15 13/16 in. | ASTM C 1372 |
| Lafitt Tandem180 | Textured | *Range Amboise Beige* *Range Margaux Beige* *Range Newport GreyRange Scandina Grey* | **A**:180 x 67 x 335 mm**B**:180 x 67 x 402 mm**C**: 180 x 67 x 469 mm | **A**:7 1/16 x 2 5/8 x 13 3/16 in.**B**: 7 1/16 x 2 5/8 x 15 13/16 in.**C**: 7 1/16 x 2 5/8 x 18 1/2 in. | ASTM C 1372 |
| Melville Tandem90 | Smooth | *Range Amber BeigeRange Newport Grey**Range Scandina Grey* *Range Shaded Grey* *Rockland Black* | **A**: 90 x 67 x 201 mm**B**: 90 x 67 x 268 mm**C**: 90 x 67 x 335 mm**D**: 90 x 67 x 402 mm | **A**: 3 9/16 x 2 5/8 x 7 7/8 in.**B**: 3 9/16 x 2 5/8 x 10 1/2 in.**C**: 3 9/16 x 2 5/8 x 13 3/16 in.**D**: 3 9/16 x 2 5/8 x 15 13/16 in. | ASTM C 1372 |
| Melville Tandem180 | Smooth | *Range Amber BeigeRange Newport Grey**Range Scandina Grey* *Range Shaded Grey* *Rockland Black* | **A**:180 x 67 x 335 mm**B**:180 x 67 x 402 mm**C**: 180 x 67 x 469 mm | **A**:7 1/16 x 2 5/8 x 13 3/16 in.**B**: 7 1/16 x 2 5/8 x 15 13/16 in.**C**: 7 1/16 x 2 5/8 x 18 1/2 in. | ASTM C 1372 |
| Orion | Smooth | *Range Amber BeigeRange Scandina Grey* | **A**: 180 x 203 x 813 mm | **A**: 7 1/16 x 8 x 32 in. | ASTM C 1372 |
| RB Standard | Textured | *Desert Grey BlendGranite BlendNaturalSierra Black* | **A**: 150 x 300 x 200 mm | **A**: 5 29/32 x 11 13/16 x 7 7/8 in. | ASTM C 1372 |
| RB Corner | Textured | *Desert Grey BlendGranite BlendNaturalSierra Black* | **A**: 150 x 300 x 200 mm | **A**: 5 29/32 x 11 13/16 x 7 7/8 in. | ASTM C 1372 |
| Universal Slope Block | Smooth | *Grey* | **A**: 135 x 280 x 215 mm | **A**: 5 5/16 x 11 x 8 1/2 in. | ASTM C 1372 |
| Split Face Universal Slope Block | Textured | *Grey* | **A**: 134 x 305 x 215 mm | **A**: 5 5/16 x 12 x 8 1/2 in. | ASTM C 1372 |
| Tandem Next180 Structural | Smooth | *Grey* | **A**: 180 x 200 x 199 mm | **A**: 7 1/16 x 7 7/8 x 7 7/8 in. | ASTM C 1372 |
| TandemModule 90 Structural | Smooth | *Grey* | **A**: 90 x 155 x 201 mm**B**: 90 x 155 x 268 mm**C**: 90 x 155 x 335 mm**D**: 90 x 155 x 402 mm | **A**: 3 9/16 x 6 1/8 x 7 7/8 in.**B**: 3 9/16 x 6 1/8 x 10 1/2 in.**C**: 3 9/16 x 6 1/8 x 13 3/16 in.**D**: 3 9/16 x 6 1/8 x 15 13/16 in. | ASTM C 1372 |
| Urbano | Smooth | *Range Amber BeigeRange Scandina Grey* *Range Shaded Grey*  | **A**: 201 x 120 x 335 mm**B**: 201 x 120 x 402 mm**C**: 201 x 120 x 469 mm | **A**: 7 15/16 x 4 3/4 x 13 3/16 in.**B**: 7 15/16 x 4 3/4 x 15 13/16 in.**C**: 7 15/16 x 4 3/4 x 18 1/2 in. | ASTM C 1372 |
| Vario 90 | Smooth | *Range Amber BeigeRange Newport GreyRange Scandina Grey* | **A**: 90 x 238 x 317.5 mm**B**: 90 x 238 x 397 mm**C**: 90 x 238 x 476.5 mm | **A**: 3 9/16 x 9 3/8 x 12 1/2 in.**B**: 3 9/16 x 9 3/8 x 15 5/8 in.**C**: 3 9/16 x 9 3/8 x 18 3/4 in. | ASTM C 1372 |
| Vario 180 | Smooth | *Range Amber BeigeRange Newport GreyRange Scandina Grey* | **A**: 180 x 238 x 317.5 mm**B**: 180 x 238 x 397 mm**C**: 180 x 238 x 476.5 mm | **A**: 7 x 9 3/8 x 12 1/2 in.**B**: 7 x 9 3/8 x 15 5/8 in,**C**: 7 x 9 3/8 x 18 3/4 in. | ASTM C 1372 |
| Wedgestone | Textured | *Desert Grey BlendGranite Blend* | **A**: 100 x 200 x 231 and 153 mm | **A**: 3 15/16 x 7 7/8 x 9 3/32 and 6 in. | ASTM C 1372 |
| Wallstone Standard | Textured | *Desert Grey BlendGranite Blend* | **A**: 100 x 200 x 300 mm | **A**: 3 15/16 x 7 7/8 x 11 13/16 in. | ASTM C 1372 |
| Wallstone Corner | Textured | *Desert Grey BlendGranite Blend* | **A**: 100 x 200 x 300 mm | **A**: 3 15/16 x 7 7/8 x 11 13/16 in. | ASTM C 1372 |

END OF SECTION