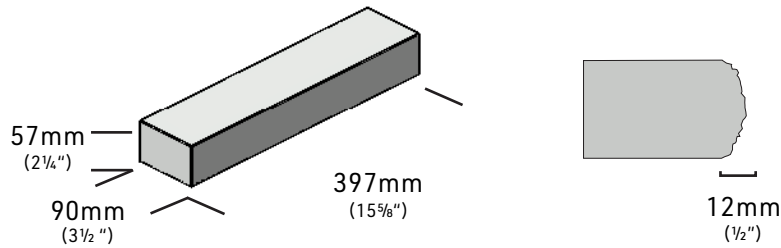




# TECHNICAL DETAILS

## 90x57x397 Rock Stretcher

### PRODUCT DRAWINGS



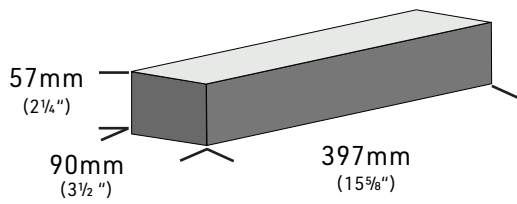
### PRODUCT DETAILS

	90x57x397 Rock Stretcher		90x57x397 Rock Corner	
	Metric	Imperial	Metric	Imperial
Selling UoM		EA		EA
Units/Skid	300EA	300EA	300EA	300EA
Weight/Each	3.9kg	8.5lbs	3.9kg	8.5lbs
Weight/Skid	1,177kg	2,590lbs	1,177kg	2,590lbs
# of Layers	10	10	10	10
Pieces/Layer	30	30	30	30
Coverage/Unit	0.027m <sup>2</sup>	0.29sf	0.027m <sup>2</sup>	0.29sf
Coverage/Skid	8.08m <sup>2</sup>	87sf	8.08m <sup>2</sup>	87sf
Linear Unit/Piece	0.07m	0.22lf	0.07m	0.22lf
Pallet Size	101cmx119cm	40"x47"	101cmx119cm	40"x47"

## CORNERS

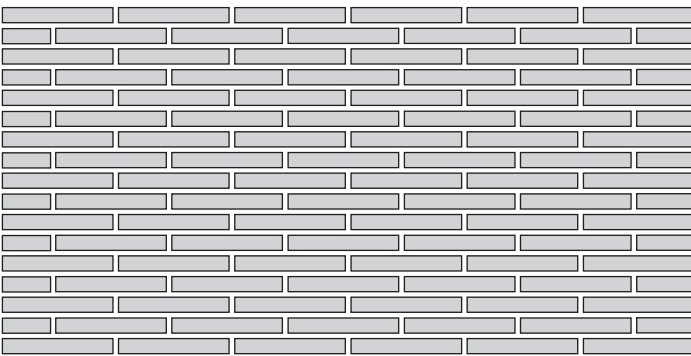
Corner units are sold separately.

Finished End

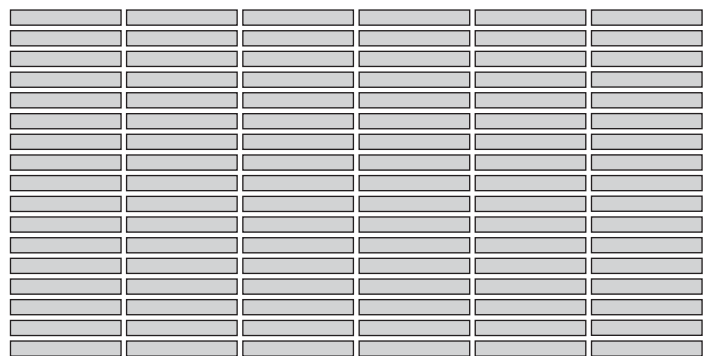


## TYPICAL INSTALLATION PATTERN

Running Bond

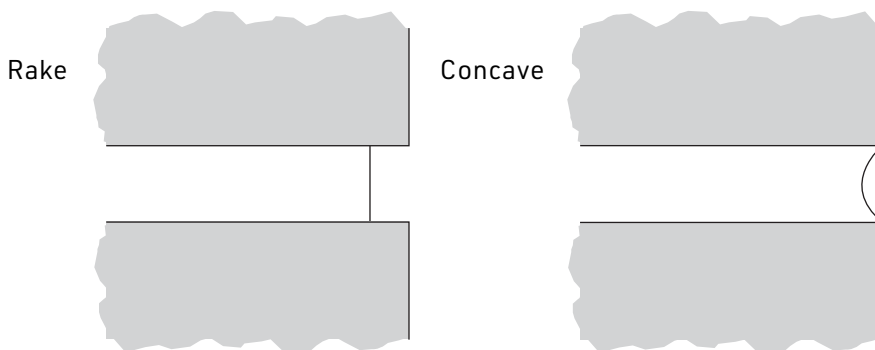


Stack Bond



Typical Installation Guidelines: • Blend product from multiple packages for most natural look

## TYPICAL MORTAR JOINT



Recommended Mortar Joint 10mm (3/8")

## TYPICAL COURSING GUIDE

Tables Include one unit and one joint.

Vertical Units	10mm Joint	3/8" Joint	Horizontal Units	10mm Joint	3/8" Joint
1	67mm	2 <sup>5</sup> / <sub>8</sub> "	1	407mm	16"
2	134mm	5 <sup>1</sup> / <sub>4</sub> "	2	814mm	32"
3	201mm	7 <sup>7</sup> / <sub>8</sub> "	3	1,221mm	48"
4	268mm	10 <sup>1</sup> / <sub>2</sub> "	4	1,628mm	64"
5	335mm	13 <sup>1</sup> / <sub>8</sub> "	5	2,035mm	80"
6	402mm	15 <sup>3</sup> / <sub>4</sub> "	6	2,442mm	96"
7	469mm	18 <sup>3</sup> / <sub>8</sub> "	7	2,849mm	112"
8	536mm	21"	8	3,256mm	128"
9	603mm	23 <sup>5</sup> / <sub>8</sub> "	9	3,663mm	144"
10	670mm	26 <sup>1</sup> / <sub>4</sub> "	10	4,070mm	160"
20	1,340mm	52 <sup>1</sup> / <sub>2</sub> "	20	8,140mm	320"
30	2,010mm	78 <sup>3</sup> / <sub>4</sub> "	30	12,210mm	480"
40	2,680mm	105"	40	16,280mm	639 <sup>3</sup> / <sub>4</sub> "
50	3,350mm	131 <sup>1</sup> / <sub>4</sub> "	50	20,350mm	799 <sup>3</sup> / <sub>4</sub> "
100	6,700mm	262 <sup>1</sup> / <sub>2</sub> "	100	40,700mm	1,599 <sup>1</sup> / <sub>2</sub> "

## CODES & STANDARDS

Shouldice Stone Products are supported by the following National Codes & Standards. Refer to local building codes and standards to confirm best practice.

### CANADIAN

[CSA A165 Standards on Concrete Masonry Units](#)

[CSA A371 Masonry Construction for Buildings](#)

[CSA A179 Mortar and Grout for Unit Masonry](#)

[CSA A370 Connectors for Masonry](#)

### AMERICAN

[ASTM C55 Specification for Concrete Building Brick](#)

[ASTM C90 Specification for Loadbearing Concrete Masonry Units](#)

[ASTM C270 Specification for Mortar for Unit Masonry](#)

[ASTM C476 Specification for Grout for Masonry](#)

[ASTM C1634 Specification for Concrete Facing Brick and Other Concrete Masonry Facing Units](#)

[NCMA TEK 8-4A Cleaning Concrete Masonry](#)

[NCMA TEK 9-1A Mortars for Concrete Masonry](#)

[NCMA TEK 8-3A Control and Removal of Efflorescence](#)

[NCMA TEK 10-4 Crack Control for Concrete Brick and other Concrete Masonry Veneers](#)

[NCMA TEK 19-5A Flashing Details for Concrete Masonry Walls](#)

## TYPICAL UNIT PROPERTIES

Products exceed the CSA and ASTM standards.

	Standard	Compression Strength	Absorption	Density	Fire Rate (Hours)
CSA	A165.2	>25mpa	<8%	>2000kg/m <sup>2</sup>	1.4
ASTM	C1634	>3000psi	<12lb/ft <sup>3</sup>	>125lb/ft <sup>3</sup>	

## HATCH PATTERNS & TEXTURE MAPS

To access Shouldice Stone Hatch Patterns and texture maps visit the corresponding [shouldice.ca](https://www.shouldice.ca) [product page](#) for current availability.

## CONTACT US

For technical questions regarding our product line please contact our knowledgeable customer service team. By phone: **800.265.3174** or email: **designer@shouldice.ca**