



#### Building with conscience.

Facade
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# Interiors

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StoCast Bricks are thin, lightweight resin cast bricks for the decoration and protection of facades. They offer limitless design possibilities with a multitude of colors, textures and size options and can be used in Sto engineered wall cladding systems.

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## Manufacturing Process



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# Brick Sizes & Shapes

	Corner		Flat Pieces		Lintels			
	Inches (in)			Inches		Inches		
Brick Type	D (depth)	H (height)	L (length)	н	L	D	н	L
Modular	3 5/8	2 1/4	7 5/8	2 1/4	7 5/8			11 5/8
King	2 3/4	2 5/8	9 5/8	2 5/8	9 5/8		3 5/8	
Queen	2 3/4	2 3/4	7 5/8	2 3/4	7 5/8			
Utility	3 5/8	3 5/8	11 5/8	3 5/8	11 5/8	3 5/8		
Estate	2 3/4	3 5/8	9 5/8	3 5/8	9 5/8			
Premier Plus	3 1/2	3 1/8	10 1/8	3 1/8	10 1/8			
Metric Norman	3 1/2	2 1/4	11 1/2	2 1/4	11 1/2			



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### **Brick Patterns**

StoCast Brick can achieve the authetic look of brick in a wide range of color and texture options. They can be installed using the same patterns offered by the masonry industry and the same joint width. Here are examples of the most common brick patterns.

StoCast Brick sizes, as well as the width of the mortar joints, have a significant influence on the overall effect of the facade when choosing and/or developing the laying pattern for your project.



Check out our StoInspire app to visualize your design with project renderings using these same brick patterns.

· · · · · ·	<u> </u>	 	
Running Bond			



English Bond

Flemish Bond

Herringbone 45 degree

Stack Bond

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Common/American Bond

### Installation recommendations

#### **Mortar joints**

Mortar joints have a high impact on the appearance of the facade. We offer 9 standard colors to provide design flexibility. Please refer to our website or request our Sto Bonding and Pointing Mortar grout kit. Maximum width of grout joints: 3/4 inch (19mm).

#### **Brick Patterns**

StoCast Brick mimics the look of brick. They can generally be installed using the same patterns offered by the masonry industry. Complex patterns increase the difficulty of the application. In order to achieve the best color result, make sure to pick shapes from different boxes. This also applies to monochromatic shapes. We recommend a mock-up be constructed for approval in an inconspicuous area to be used as a reference. Precisely planning the layout for the pattern is a prerequisite. In the case of complex patterns, we recommended laying out the elements on a horizontal surface in accordance with the specified pattern / installation plan before application.

If possible, start work on a wall that is not directly visible, as the application process can be optimized during the course of the work.

#### Preliminary work

Details, such as termination at grade, connections to adjacent building elements (window/door frame, window sill, roof, sheet metal, etc.), structural expansion joints must be planned in advance and coordinated between the relevant parties. The application instructions of Sto are to be observed. Refer to the applicable Sto System specifications and details.

#### Hand-held samples and sample surface areas

Smaller samples are not always suitable for providing an overall impression of an application technique on larger facade surfaces. For this reason, we highly recommend having the contractor prepare a mock up sample. If this work requires scaffolding, this should be taken into account when creating the sample. The finished sample area should be inspected and accepted by the site manager/building owner. The area provides a reference surface for the contracted service.

#### Size of the area

For large facades, we recommend dividing the surface to be created into smaller partial areas. This simplifies calculations and execution for best application results.

#### Scaffolding

The scaffolding must be appropriate for the trade processes being carried out and the techniques and tools used: take into account the spacing, the brackets and the positioning and height of the scaffolding.

#### Weather protection

If the weather is unfavorable during the application and drying processes, it is necessary to put in place appropriate protective measures (rain/solar protection, etc.).

#### **Corner areas/connections**

Carefully plan connections and corner areas. It may be necessary to use a different application technique in these areas.

#### Limitations

- Minimum radius: 4-3/4 inches (120 mm).
- Use only when surface and ambient temperatures are above 50 to 85°F (5-30°C) during application and drying period.
- Do not use on horizontal or below grade surfaces, projecting ledges, sills, or sloped surfaces, or where immersion in water may occur.
- Do not use on roof or roof-like surfaces.
- Select colors with Light Reflectance Value (LRV) greater than or equal to 20 when used over StoTherm ci system. No LRV restrictions when used over StoTherm ci Mineral system.
- Not recommended to clean with abrasive or high pressure wash methods. Use low pressure (up to 500 psi [3.45 MPa]).

#### Cleaning, repair and maintenance

Refer to the StoCast Brick Repair and Maintenance Guide.

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## **Brick overview**

	Brushed/Sand Faced	Light Texture	Tumbled	Vertical/Blade Cut	Rolled	Heavy Text
Detail section						
Product detail						
Surface	Sanded, finely textured brick	Light wirecut texture, with small indentations	Distressed, aged and irregular in shape	Extruded and scored texture	Wavy textured brick	Hard, rough
Edges / corners	Rounded or sharp	Rounded or sharp	Rounded	Rounded	Rounded	Rounded or

#### xture



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#### gh texture

or sharp

## **Brushed/Sand Faced Bricks**

Surface Sanded, finely textured brick









Durham - S9.4824



Milwaukee - S9.5974







Richmond - S9.6526

Wexford - \$9.4865

Mayfield - S9.5895



Savannah - S9.7341

St. Louis - S9.5287

Toulouse - S9.6689

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Leiria - S9.7227





Salem - S9.6597



## Albi **S**9.4936

Light Reflective Value [LRV]: 13

Brick Corner: Rounded

Mortar Joint color: Brown Grey 2063



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### Bordeaux S9.5317

Light Reflective Value [LRV]: 10

Brick Corner: Rounded

Mortar Joint color: Brown Grey 2063



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# Brighton S9.4748

Light Reflective Value [LRV]: 12

Brick Corner: Sharp

**Mortar Joint color:** Graphite 2061



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### Durham **S9.4824**

Light Reflective Value [LRV]: 10

Brick Corner: Rounded

Mortar Joint color: Grey 2060



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## Leiria S9.7227

Light Reflective Value [LRV]:

Brick Corner: Sharp

Mortar Joint color: Grey 2060



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# Mayfield S9.5895

Light Reflective Value [LRV]: 90

Brick Corner: Rounded

Mortar Joint color: Grey 2060



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### Milwaukee S9.5974

Light Reflective Value [LRV]: 85

Brick Corner: Sharp

Mortar Joint color: Light Grey 2059



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### Princeton S9.8419

Light Reflective Value [LRV]: 11

Brick Corner: Rounded

Mortar Joint color: Grey 2060



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## Richmond S9.6526

Light Reflective Value [LRV]: 10

Brick Corner: Rounded

Mortar Joint color: Cement Grey 2058



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## Salem S9.6597

Light Reflective Value [LRV]:

Brick Corner: Sharp

**Mortar Joint color:** Anthracite 2057



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### Savannah S9.7341

Light Reflective Value [LRV]: 15

Brick Corner: Sharp

Mortar Joint color: Grey 2060



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### St. Louis S9.5287

Light Reflective Value [LRV]: 13

Brick Corner: Rounded

Mortar Joint color: Cement Grey 2058



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### Toulouse S9.6689

Light Reflective Value [LRV]: 10

Brick Corner: Rounded

Mortar Joint color: Cement Grey 2058



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### Wexford S9.4865

**Light Reflective Value [LRV]**: 13

Brick Corner: Rounded

Mortar Joint color: Grey 2060



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## Light Texture

Sanded, finely textured brick







Harrison S9.6897

Lexington - S9.6683

Madison S9.4435

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### Harrison S9.6897

Light Reflective Value [LRV]: 11

Brick Corner: Rounded

Mortar Joint color: Cement Grey 2058



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# Lexington S9.6683

Light Reflective Value [LRV]: 30

Brick Corner: Sharp

**Mortar Joint color:** Light Grey 2059



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### Madison S9.4435

Light Reflective Value [LRV]: 33

Brick Corner: Rounded

Mortar Joint color: Grey 2060



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## Tumbled

Distressed, aged and irregular in shape



Hamilton S9.6855

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## Hamilton S9.6855

Light Reflective Value [LRV]: 18

Brick Corner: Rounded

Mortar Joint color: Sand yellow 2062



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### Vertical/Blade Cut

Extruded texture





Lubeck S9.6118

Sunderland S9.4475

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### Lubeck **S9.6118**

**Light Reflective Value [LRV]**: 17

Brick Corner: Rounded

Mortar Joint color: Cement Grey 2058



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### Sunderland S9.4475

Light Reflective Value [LRV]: 15

Brick Corner: Rounded

Mortar Joint color: Brown Grey 2063



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## Rolled

Wavy textured brick





Portmarnock S9.6761

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# Branderburg S9.7094

Light Reflective Value [LRV]: 16

Brick Corner: Rounded

Mortar Joint color: Brown Grey 2063



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### Portmarnock \$9.6761

Light Reflective Value [LRV]: 20

Brick Corner: Rounded

Mortar Joint color: Brown Grey 2063



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# Heavy Texture

#### Hard, rough texture





Bainbridge S9.5083







Davenport S9.3812





Newberry S9.4988



Westend S9.6527





**▶** 

# Arlington S9.3900

**Light Reflective Value [LRV]**: 13

Brick Corner: Rounded

Mortar Joint color: Cement Grey 2058



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# Bainbridge S9.5083

Light Reflective Value [LRV]:

Brick Corner: Rounded

Mortar Joint color: Grey 2060





# Cambridge S9.3488

Light Reflective Value [LRV]:

Brick Corner: Rounded

**Mortar Joint color:** Grey 2060



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## Davenport S9.3812

Light Reflective Value [LRV]: 65

Brick Corner: Rounded

Mortar Joint color: Sand Yellow 2062



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# Kensington S9.5627

**Light Reflective Value [LRV]:** 35

Brick Corner: Rounded

Mortar Joint color: Cement Grey 2058



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# Newberry S9.4988

Light Reflective Value [LRV]: 13

Brick Corner: Rounded

**Mortar Joint color:** Light Grey 2059



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#### Westend S9.6527

Light Reflective Value [LRV]: 44

Brick Corner: Rounded

Mortar Joint color: Sand Yellow 2062



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#### Winston **S9.5575**

Light Reflective Value [LRV]: 14

Brick Corner: Rounded

Mortar Joint color: Brown Grey 2063





#### **Sto Bonding & Pointing Mortar**

A 100% acrylic-based mortar that greatly reduces the risk of efflorescence. Used to adhere StoCast Brick and grout the joints.

#### **Standard Colors**

- 1. White 2056
- 2. Light Grey 2059
- 3. Cement Grey 2058
- 4. Grey 2060
- 5. Graphite 2061
- 6. Anthracite 2057
- 7. Brown 2064
- 8. Brown Grey 2063
- 9. Sand Yellow 2062

Custom colors upon request



White 2056



Grey 2060



Brown 2064



Light Grey 2059

center



Graphite 2061



Brown Grey 2063

Stellarth

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Cement Grey 2058



Anthracite 2057



Sand Yellow 2062

# **Project References**





MyLoft World Fashion Center, Amsterdam, NL









B-Line, Toronto, ON



Soltauer Straße, Lündeburg, DE



Kielort 16-18, Norderstedt, DE











109 King St., Newcastle, ON





University Heights, Toronto, ON











Wiebelstraße/Drieschweg, Hamburg, DE



Church St., St. Catherine's, ON



### MyLoft World Fashion Center Amsterdam, NL

Owner: CPO MyLoft WFC, Amsterdam, NL Architect: Architektenburo Brink & Fleer, Dronten, NL Contractor: Haase Bouw, Rijssen, NL Brick model: \$9.6550

Photography: Sto Isoned bv, Norbert Duijvelshoff, Tiel, NL





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### **Reykjavikplein** Utrecht, NL

Owner: Stichting Pensioenfonds van Metalektro, Den Haag, NL Architect: diederendirrix B. V., Eindhoven, NL Contractor: De Vries en Verburg Bouw B.V., Stolwijk, NL Brick Model: \$9.7094

Photography: Ronald Tilleman Photography, Rotterdam, NL



Please note that the details, illustrations, general technical information, and drawings contained in this guide are only general proposals and details which merely describe the basic functions schematically. They are not dimensionally accurate. Applicator/customer is independently responsible for determining the suitability and completeness for the product in question. Adjacent works are described only schematically. All specifications and information must be adjusted or agreed in the light of local conditions and do not constitute work, detail or installation plans. The specific technical specifications and information on the products contained in the Product Bulletins and details and specifications must be observed.



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## **B-Line** Toronto, ON

Architect: Romanov Romanov Architects inc. Developer: Royalpark Homes Contractor: Skyrise Prefab Wall Panel Engineer: Skyrise Prefab Brick Model: S9.9197





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#### Wiebelstraße/Drieschweg Hamburg, DE

Owner: BVE Bauverein der Elbgemeinden eG, Hamburg, DE Architect: Henninger Architekt, Gesellschaft von Architekten und Ingenieuren mbH, Hamburg, DE Contractor: Preusse Baubetriebe GmbH, Hamburg, DE Brick Model: S9.3583

Photography: Fotodesign Christoph Gebler, Hamburg, DE



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## Soltauer Straße Lündeburg, DE

Owner: Wohnungsgenossenschaft Lüneburg e.G, Lüneburg, DE Architect: Henninger Architekt, Gesellschaft von Architekten und Ingenieuren mbH, Hamburg, DE Contractor: Ernst Martin Knief GmbH & Co KG, Winsen, DE Brick Model: S9.1053 (request texture)

Photography: Fotodesign Christoph Gebler, Hamburg, DE



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## Kielort 16-18 Norderstedt, DE

Owner: Bauverein der Elbgemeinden eG, Hamburg, DE Architect: ABJ.Planungsgesellschaft mbH, Hamburg, DE Contractor: Hans-Jürgen Rath GmbH, Hohenaspe, DE Brick Model: S9.0627

Photography Fotodesign Christoph Gebler, Hamburg, DE



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### **Groene Linten** Haarlem, NL

Owner: Pré Wonen, Velserbroek, NL Architect:: Klous + Brandjes Architecten bna, Haarlem, NL Contractor: VBK Noord-West B.V., Schagen, NL Brick model: S9.5225

Photography: Ronald Tilleman Photography, Rotterdam, NL



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## **Church St.** St. Catherine's, ON

Owner: Pennterra Group Architect: NewGround Canada Contractor: Solid General Contractors Inc. Wall Panel Engineer: Skyrise Prefab Brick Model: : S9.5083 & S9.5032





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## **109 King St.** Newcastle, ON

Owner: Gyaltsan Properties Architect: Nick Swerdfeger Architects Contractor: Wilkinson Construction Services Inc. Wall Panel Engineer: Skyrise Prefab Brick Model: S9.6761



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### **University Heights** Toronto, ON

Owner: Haven Developments Architect: ACK Architects Inc. Construction Manager: Gillam Group Wall Panel Engineer: Skyrise Prefab Brick Model: S9.4797



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