

Install Guidelines

For complete detailed instructions on how to install StoneCraft Stone Veneer, please go to: www.stonecraft.com



Preparing the Surface

Step 1-A

- Attach 2 layers of 15 lb. felt Weather Resistive Barrier (WRB) to the Sheathing Surface.
- Apply WRB horizontally with the upper layer lapped over the lower layer by a minimum of 2".
- Where vertical joints occur, the WRB shall be lapped no less than 6".

Step 1-B

- For most applications, apply a 2.5 lb. diamond mesh expanded metal lath or an 18 gauge woven wire mesh. Use corrosive resistive lath for exterior applications.
- Attach lath using galvanized nails or staples 6" on center vertically and 16" on center horizontally. Fasteners must penetrate the stud by a minimum of 1½".
- Double wrap metal lath a minimum of 16" at and round all corners.

Step 1-C

- Apply a ½" scratch coat of mortar over the lath using a notched trowel or mason rake. Pre-mixed or pre-cast mortars can be used as long as it meets the requirements of ASTM C270 for Type N or S.
- Mortar mix should be mixed to firm but workable consistency.
- Allow scratch coat to dry for 24–48 hours prior to installing stone.



Applying Stone

Step 2-A

- Lay out a large quantity of stone at least 25 sq/ft to give you a range of stone sizes and colors to work from.
- Stones should be installed with a uniform grout size. Long, straight, unbroken joint lines should be avoided.
- Chalk lines should be snapped every 8" to 12" as a guide for keeping the installation level. Use a level during the installation process for individual pieces.

Step 2-B

- Install corners first then flats.
- Wet the scratch coat and the back of each piece of stone.
- Apply approximately a ½" thick layer of mortar to the entire back of the stone.

Step 2-C

- Place the stone onto the scratch coat.
- Press firmly on the stone and gently wiggle the stone into place.
- If mortar unintentionally gets on the face of the stone, do not remove any excess mortar. Allow it to dry and use a soft bristle brush to remove the excess mortar.
- **NOTE: Acid cleaners of any type are not be used on StoneCraft as it will damage the surface of the stone and void the product warranty.**



Applying Grout

Step 3-A

- Grout as needed using a Type N or S mortar mix.
- Using a grout bag, squeeze mortar into the grout joints making certain to completely fill all voids.
- Strike joints after grout is thumbprint dry.
- Whisk away any loose mortar with a dry, soft-bristled brush.

Step 3-B

- **Standard Joint (Raked)**
- This grout joint is achieved by laying each stone roughly one finger width (½") apart from each other.
- A grout bag is then used to fill the joints with mortar, forcing grout into all of the voids.
- This grouting technique can be used with all StoneCraft profiles.

Step 3-C

- **Dry Stacked (Jointless)**
- A dry stack installation is achieved by "dry" fitting each stone prior to installation.
- Each piece is laid as to close one another as possible, with virtually no visible joint.
- Even though you have used mortar (on the back of the stone) to set the stone to the surface, when complete, the finished look will appear as though no mortar was used during the installation.

Note: Corners should be installed first. In the case of a dry stack installation, stone veneer should be applied from the bottom up. Local building codes may vary by area. Always check with your local building authorities before installing stone.

INGREDIENTS	Lightweight Aggregate, Portland Cement, Mineral Oxide Colors	
CODE ACCEPTABILITY & CERTIFICATION	Mineral Composition Units	ICC Report ESR-2826
	Surface Burning Characteristics	
	Flame Spread	0
	Smoke Developed	0
		546T
StoneCraft is designed to meet or exceed building code requirements. Independent testing confirms compliance with ICBO Acceptance Criteria for Precast Stone Veneer as follows (supporting test data available upon request):		
FREEZE-THAW DURABILITY	Tested in accordance with ASTM C67.	
SHEAR BOND (ADHESION)	Tested in accordance with ASTM C482.	
ABSORPTION	Tested in accordance with UBC Standard No. 15-5.	
DENSITY	Tested in accordance with ASTM C567. Shipping weight is approximately 9-11 pounds per square foot.	
THERMAL RESISTANCE	Tested in accordance with ASTM C177-71. R factor=0.60 (varies for various stone thickness).	
COMPRESSIVE STRENGTH	Tested in accordance with ASTM C39 and also in accordance with ASTM C192.	
TENSILE STRENGTH	Tested in accordance with ASTM C190.	
FLEXURAL STRENGTH	Tested in accordance with ASTM C348.	
WARRANTY	Limited Lifetime Warranty	

GREEN STATEMENT

StoneCraft is a Green building product, due to its sustainability. Our product is more energy efficient and/or water efficient than similar products. It is more durable and requires less maintenance than similar products. StoneCraft contributes to USGBC LEED-NC v2.2 credits.



PROFILE	STYLE	HEIGHT*	LENGTH*	FLAT THICKNESS*	CORNER HEIGHT*	FEET/BOX (Flats Are Measured In Square Feet, Corners Are Measured In Linear Feet)
Laurel Cavern	Flats	1" - 3 1/2"	5" - 17"	1" - 2 1/8"		12
	Corners	Short Inside Return 2" - 7 1/2"	Long Inside Return 3" - 11"		1 7/8" - 2 3/8"	8
Cobble	Flats	2 1/2" - 12"	4" - 21"	1 7/8" - 2 3/4"		10
	Corners	Short Inside Return 2 1/8" - 4 5/8"	Long Inside Return 3" - 13 3/4"		2 1/2" - 8 1/2"	7
Fieldstone	Flats	2" - 18"	4" - 18"	1" - 2 1/2"		10
	Corners	Short Inside Return 1" - 5 3/4"	Long Inside Return 3" - 11 3/8"		2 5/8" - 12"	8
Heritage	Flats	2 1/4" - 8"	3 1/2" - 17"	1" - 2 1/2"		11
	Corners	Short Inside Return 2 1/4" - 4 1/4"	Long Inside Return 5 3/4" - 16"		3 3/4" - 10 1/2"	7
Ledgestone	Flats	1" - 5"	5" - 21"	1 1/2" - 3"		9
	Corners	Short Inside Return 1 1/4" - 8 3/4"	Long Inside Return 3" - 13 5/8"		1 7/8" - 7"	7
Monarch	Flats	3" - 18"	4" - 19"	1 3/8" - 2 7/8"		12
	Corners	Short Inside Return 1 1/4" - 6 1/4"	Long Inside Return 3 5/8" - 15 3/4"		4 1/2" - 18 1/2"	8
River Rock	Flats	1 1/2" - 15"	3" - 18"	2" - 3 1/2"		8
	Corners	Short Inside Return 1 1/2" - 5 1/4"	Long Inside Return 1 3/4" - 8 1/2"		1 1/2" - 12"	10
Top Rock	Flats	2" - 20"	5" - 25"	1" - 3 1/2"		8
	Corners	Short Inside Return 2 3/4" - 5"	Long Inside Return 5 1/2" - 15"		3 3/4" - 15 1/8"	8
DutchCraft	Flats	8" **	18", 24", & 30"	1 1/2"		117 sq ft / not boxed
	Corners	Short Inside Return 6"	Long Inside Return 18" & 24"		8"	33 linear ft / not boxed

*Dimensions Listed Are Approximate

** Flats include eight 16"x16" Jumpers