CORNER CONVERSION CHART

BOX OF ESTATE STONE CORNERS	PIECES PER BOX	SQ.FT. PER BOX	LINEAL FEET/RISE PER BOX	INCHES OF RISE PER BOX
1	4	3.24 sqft	2.67'	32"
2	8	6.50 sqft	5.30'	64"
3	12	9.70 sqft	8.00'	96"
4	16	12.95 sqft	10.67'	128"
5	20	16.00 sqft	13.34'	160"
6	24	19.45 sqft	16.00'	192"
7	28	22.70 sqft	18.67'	224"
8	32	25.90 sqft	21.33'	256"

INSTALLATION GUIDE

Rss assumes no liability for installation of the products purchased. The following installation suggestions are not a substitute for the use of a trained installation professional.   Always follow and check your local building code requirements before installation. For installation instructions, consult with and utilize a trained installation professional

Preparation

Over Cement Board
Install cement board (rough side out) over studs using galvanized screws or nails on 6" vertically on center and 16" horizontally on center (minimum 1" penetration). Tape the seams with fiberglass tape and seal the seams with thin-set mortar.

Over Concrete
1. If installing over poured concrete walls, first determine if a concrete form oil or release agent has been used. If so, use a muriatic acid solution or another removal agent on the surface to remove the coating. Thoroughly clean the surface with a pressure washer.
2. For all clean masonry and concrete surfaces including concrete block construction, no preparation is required.

Installation

Tools and Supplies Required
1. Polymer modified mortar
2. Diamond blade masonry or tile saw.
3. 4" angle grinder with a diamond blade.
4. Masons trowel or 1/2" notched tile trowel (for thin-set applications).
5. 4' level.
6. Chalk line.

Note: Always wear protective eye wear, dust mask and ear protection when cutting stone.

Inside Corners
To make inside corner panels (starter panels), cut the 8" x 18" flat panels. These pieces can be installed in random order and will automatically offset each row by the required amount to create the pattern.
Pattern
It is recommended to mock-up the pattern on the floor before applying to the wall. Make sure that panels are fitted together at random so a repeating pattern isn't created.

Application
Always start installation at the bottom. Start at the outside corners (with corner panels). It is recommended to install a temporary ledge below your starting course. The first course should be ½ inch above the floor in interior applications and 4 inches above grade for exterior applications. Run a horizontal chalk line every 18 inches for a reference point to help keep your courses level. Dampen the wall to increase the bonding strength of the mortar to be applied. Spread approximately ½ inch of mortar to the back of the stones (make sure there is 100% coverage) with a mason's trowel or notched towel (thin-set application). Apply the stone to the wall with firm pressure and slight rotation, allowing the mortar to squeeze out the side. Hold the stone for a few seconds to assure that it is secure. Remove the excess mortar from around the installed panels with a trowel or tuck pointer after the area has been completed and the mortar has begun to set. Once the panels are set firmly in place, do not move them. If a panel must be moved or removed, all of the mortar must be removed and new mortar must be applied before re-installation. Do not allow the mortar to get onto the surface of the panels. After each course is completed, use a long level or straight edge to check for discrepancies along the top edge of the course. Use a grinder to remove high spots. To adjust for low spots, shims can be used to level and hold the next row of panels into position until bonding has set (they can then be removed).

Cleaning
Use a damp sponge to remove any mortar residue on the surface of the panels. Allow the work area to cure for 48 hours before doing general cleaning. At this time all residue left on the surface of the stones can be removed with a certified cleaning solution. Always test on a non-conspicuous area first.

Sealer
Stone sealing is not necessary. A breathable sealer can be applied after approximately 4 weeks and will act as an effective water repellent if applied in accordance to the manufacturer's directions. Sealers can affect the color of the stone they are applied to, so always test on a non-conspicuous area first.

Flashings
All top surfaces must be covered with caps, sills or flashings and in accordance to all building codes to ensure that no water is allowed to penetrate between the vapor barrier and the veneer stone.

THINGS TO REMEMBER:

ALWAYS FOLLOW AND CHECK YOUR LOCAL BUILDING CODE REQUIREMENTS. Realstone should only be applied to structurally sound surfaces incorporating good building practices. Please note that the assistance of a professional contractor or engineer may be needed to evaluate your installation or the soundness of your installation back up wall. A contractor or engineer can also provide important information regarding local building codes, seismic building codes, institutional building codes and installations.

Natural stone tiles are heavy; therefore it is important that they are adhered over only appropriate substrates.

Always make sure that the back of each RSS panel is clean and free from stone dust. This can easily be done by wiping the back of the panel with a damp rag. Cutting RSS panels will create dust and should be worked on outside. Clean the back of all panels after cutting them. Only cut RSS Panels with a wet saw with a carbide or diamond tip blade. Do not mark the surface of the stone with a permanent marker as this will be absorbed by the stone and cannot be removed.

The veining and color variation is what defines the beauty of natural stone. This product should be laid out prior to installation to ensure the color variation is blended to your liking.

DO NOT USE ANY TYPE OF ACID to clean Natural Stone as it may damage the stone and alter its properties and characteristics.

RSS may suggest certain adhesives /mortars or other installation methods, but these are by way of suggestion only and are not instructions. For installation instructions always refer to local building codes and consult your trained installation professional. RSS DISCLAIMS ALL LIABILITY FOR THE INSTALLATION OF THE PRODUCTS PURCHASED, AND LEAVES UP TO THE CUSTOMER AND CUSTOMER'S TRAINED INSTALLATION PROFESSIONAL THE SELECTION OF THE MATERIALS AND METHODS APPROPRIATE FOR THE USE AND INSTALLATION OF THE PRODUCT IN THE CUSTOMER'S SPECIFIC LOCATION AND CIRCUMSTANCES.