



Building
Green
with Arriscraft



Arriscraft products support the fundamental principles of green ma



Energy
Conservation

Resource
Re-use &
Protection

management with additional durability, design and economic benefits.

Recycled
Content

Construction
Waste
Management

Durable
Buildings

Local/Regional
Materials

The Natural Edge[®]

Stone is formed when fine grained sands and minerals are forced together under extreme pressure and compressive forces. Under the right conditions the individual grains touch and bind together forming a consistent, high strength, dense stone unit.

When this occurs in the earth, sandstone or limestone is formed. When it occurs in the Arriscraft production facility, under 1,000 tons of force, Arriscraft Building Stone and Renaissance[®] products are formed.



No other technology is equal. Only the Natural Process technology has proven itself to have the appearance, performance and aging characteristics of stone. With production exceeding 100 million square feet over a period of 60 years, you can be assured that Arriscraft stone, as with good quality quarried stone, will perform well and age naturally.

Inset images, left to right: Raw materials are pressed at forces up to 1000 tons to form “green stone”; units are cured in autoclaves under extreme heat and pressure; stones are hand-rocked to achieve a distinctive finish.

To Age Naturally

Our Products Breathe Naturally

- Renaissance® pore structure is unencumbered by fillers and sealers allowing our stone to breathe and age naturally.

Dimensional Stability

- High temperatures and pressure during production ensure low permanent movement. Long-term shrinkage is not a concern with Renaissance® and Building Stone. Joint reinforcement (unless required by building code) is not needed.

Lasting Natural Colours

- Stable inorganic mineral oxides, proven for in excess of 50 years.
- Lasting natural colours ensure the uneven fading and bleaching often associated with cement-based products will never occur.

Aesthetic Quality

- Light reflective.
- Hand finished – never out of a mold.
- An unrivaled, naturally occurring colour palette.
- Natural textures.
- Renaissance® and Building Stone products are consistent through the bed. Quality, colour and texture are never skin deep.

1000 Tons of Pressure During Formation Provides Superior Physical Properties

- High density – the key to aging naturally.
- High compressive strength ensures durability, backed by the Arriscraft warranty.
- Tight tolerances that ensure efficient installation.

Lifetime Warranty

At Arriscraft, we stand behind our products. When installed and maintained properly, Arriscraft warrants its products for the life of the building.

Ask your dealer for a copy of the Arriscraft Limited Warranty.

Arriscraft products...

Contribute to LEED® & Sustainability



What is LEED?

According to the U.S. Green Building Council, the Leadership in Energy & Environmental Design rating system, or LEED “promotes a whole-building approach to sustainability by recognizing performance in five key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality.”

Thoughtful material selection can contribute to the development of high performance green buildings that minimize impact on building users and on the local and global environment.

Through superb durability and energy efficiency, exceptional life span, and timeless architectural appeal, Arriscraft products can contribute to LEED points and to sustainability.

Energy and Atmosphere

Credit 1: Improved Energy Performance (1 to 10 points)

Thermal mass of solid stone masonry helps to reduce heat transfer. This results in increased thermal comfort by reducing indoor temperature swings and results in energy savings. The thermal mass of stone walls or floors can be used in passive solar designs to help capture this renewable energy source.

Materials and Resources

Credit 1 & Credit 2: Building Reuse and Construction Waste Management (up to 2 points)

The long life of an adaptable, stone masonry exterior allows for future remodeling or reconfiguration of the building to suit changing needs. The durability associated with Arriscraft products ensures that the masonry shell of a building will be viable for reuse for generations to come.

Arriscraft stone is available in various modular sizes with through-body colour. Modular construction can be easily adapted to site sizing requirements with minimal waste.

Credit 3.1 & 3.2: Salvaged Materials (1 to 2 points)

The durable and lasting nature of Arriscraft masonry products lends itself ideally to re-use applications.

All final waste products can be crushed to aggregate for alternate uses.

Credit 4: Recycled Content (1 Point)

Pre-consumer and post consumer. Raw materials that compose Arriscraft stone can include up to 6% by mass of post-industrial recycled material. This recycled content includes fine silica and mineral oxide pigments.

Credit 5.1 & 5.2: Regional Materials (2 Points)

Arriscraft has three manufacturing facilities located within prime distance to many urban centers. Consequently, many building sites fall within the 500 mile (800 Km) radius LEED requirement. In addition, our products are manufactured using raw materials that are abundant and nearby.

Materials and Resources

LEED Canada Credit 8: Durable Building (1 Point) or Credit 1: Innovation in Design (1 to 4 Points)

The architectural appeal of Arriscraft stone masonry is timeless, allowing for future remodeling and building extension. Backed by an industry-unique lifetime warranty, our products have been proven to stand the test of time.

Arriscraft's Technical Information System and Masonry Envelope Review services support the integrity of your design by recommending sound design and best construction practices.

Innovation in Design

Credit 1: Innovation in Design (1 to 4 points)

The use of Arriscraft stone products in creative and resourceful design can provide the opportunity to earn credits in the Innovation in Design category.

For example, whereas the intent of Credit 4.2 under Indoor Environmental Quality is to utilize paints, adhesives and coatings with low VOCs, the goal of this credit can also be realized with the use of interior stone finishes, with no VOC emissions, and not requiring additional sealers.

Arriscraft Thin-Clad Renaissance® units can also have potential contribution to Innovation In Design credits.

For example, the use of thin bed masonry product in lieu of a traditional full bed means that the transportation is effectively reduced and thus the intent of the 'distance from jobsite' credit has been achieved. These transport savings will be passed on to structural components as well, as a thinner, lighter wall system requires less 'structure' to support it.

- Lightweight - transportation costs are significantly reduced
- Reduced Structural Requirements - steel lintels are eliminated, steel shelf angles are eliminated, and 5" to 7" of brick ledge on footing is no longer required
- Reduced overall wall thickness contributes to more useable floor space or a smaller building footprint and more green space!

Appropriate use of product and documentation to support the design may earn up to 4 points in this category.

Arriscraft Renaissance® and Building Stone products support the fundamental principles of green management with additional durability, design, and economic benefits.

At Arriscraft...

We take sustainability and environmental stewardship seriously.

Across North America, environmental practices and performance are more important than ever before. Not only do we manufacture products that contribute to sustainability, we start thinking green before our product is even made. Thoughtful planning and manufacturing techniques allow us to maintain our commitment to the environment, and to responsible manufacturing. Our position on environmentally sensitive practices is governed by our company's corporate objectives, which state that "social and environmental concerns are of the utmost importance and must not be compromised in the setting and execution of policies."

How?

Arriscraft practices environmentally responsible manufacturing, which encompasses:

- Use of abundant all natural ingredients in our products.
- Use of post-industrial recycled materials, including post-industrial recycled silica and mineral oxide pigments. Where possible, select products include up to 6% recycled materials by mass.
- Recycling and re-use of water during our production process to promote conservation of one of earth's most valuable resources.
- Non-toxic manufacturing process. As a result there are no toxic emissions to pollute our water or air.
- Facility-wide recycling program, environmental safety plan, and packaging materials that contain recycled materials, and are recyclable and reuseable.
- Scrap product is crushed and recycled into aggregate.
- Energy conservation measures implemented throughout the production process.


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 **Arriscraft**
Building Stone · Brick · Limestone
A General Shale Company



Arriscraft pioneered its environmentally benign Natural Process technology in the 1950s, and has continued to enhance and refine the process ever since.