



Australia

## GREEN STAR

*Green Star was developed by the Green Building Council of Australia (GBCA). Australia's first comprehensive rating system for building environmental design and performance, Green Star examines a number of criteria including energy, indoor environmental quality, transport, water, emissions, materials and innovations.*

*Green Star utilizes six stars to measure performance. Projects that obtain a star rating of one, two or three, are not eligible for formal certification. Projects with a four star rating or higher are eligible to apply, and are designated according to:*

- *Four Star Green Star Certified Rating = "Best Practice"*
- *Five Star Green Star Certified Rating = "Australian Excellence"*
- *Six Star Green Star Certified Rating = "World Leadership"*

## VICTAULIC COMMITMENT TO SUSTAINABILITY

- Environmental responsibility and roots in sustainability for 85 years.
- Victaulic products are made with natural and recycled resources using lean, responsible manufacturing processes that follow the life of a building.
- During installation, Victaulic products significantly reduce or eliminate waste, emissions and noise, while maximizing energy efficiency.
- Victaulic has been involved with the Alberici Headquarters, Overland, Missouri (LEED® 2.0 Platinum certification), Vancouver Olympics Village (LEED® Gold certified), SAS Institute, Toronto, Canada, and BG Chemie in Germany.
- Victaulic assures the "green spirit" of a building by enabling sustainable piping design and system performance.
- Easy access to systems installed with Victaulic products promote routine maintenance schedules and thus enable building systems to operate at peak efficiency for the life of a system.
- Victaulic may facilitate reaching Green Star points; solid environmental commitment and experience, with experienced certified engineers on staff.

## Waste Management

**Requirement – Encourage and recognize management practices that minimize construction waste. Up to two points awarded if the contractor implements a Waste Management Plan (WMP), retains waste records and reports quarterly to the building owner; and a percentage (by mass) of all demolition and construction waste is reused or recycled as follows:**



- one point for 60 percent
- two points for 80 percent

#### **VICTAULIC SOLUTION:**

- Victaulic conducts manufacturing with a recycling process that includes sand used in the casting process.
- Victaulic can minimize job site waste through lean manufacturing (produce and ship only required materials), as well as coordinate deliveries according to the contractor schedule and strategy.
- Victaulic utilizes “Bag-and-Tag” process to manage waste and job site activity. Shipping to the contractor only required materials for each phase of a project reduces waste by eliminating over-order and onsite product stockpiles.

## **Individual Comfort Control**

**Requirement – Encourage and recognize designs that facilitate individual control of thermal comfort. Up to two points awarded where it is demonstrated that the base building provides for individual user control of air supply rates, air temperature or mean radiant temperature to each work space.**

#### **VICTAULIC SOLUTION:**

- Victaulic provides a balancing valve system that enhances overall project ventilation and air distribution flow.
- Balancing valves maintain a dynamic flow that enables the HVAC system to provide correct energy output.

## **Internal Noise Levels**

**Requirement – Encourage and recognize buildings that are designed to maintain appropriate internal noise levels.**

#### **VICTAULIC SOLUTION:**

- Victaulic mechanical grooved pipe systems deliver unsurpassed vibration isolation and sound attenuation characteristics.
- Victaulic flexible couplings provide vibration attenuation in the following ways: pipe end separations, elastomer gaskets and ductile iron housings.
- Victaulic mechanical joining systems do not contribute to background noise, and provide for significantly higher productivity and reduced sound during retrofit and installation.







- One point for 60 percent of all steel, by mass, having a post-consumer recycled content greater than 50 percent, or is reused.
- Two points for 90 percent of all steel, by mass, having a post-consumer recycled content greater than 50 percent, or is reused.

**VICTAULIC SOLUTION:**

- Victaulic uses 90 percent recycled steel and ductile iron for the manufacture of its coupling and fittings, meaning 1,039 tons of steel are recycled at its facility in the United States per week.

## **Innovative Strategies & Technologies**

**Requirement – Encourage and recognize pioneering initiatives in sustainable design, process or advocacy.**

**VICTAULIC SOLUTION:**

- For more than 85 years, Victaulic has met customer demands for innovative, superior green products, such as the environmentally friendly Victaulic Vortex fire suppression system, the only fire suppression certified FM 5580.
- Victaulic has launched several hundred products such as QuickVic® rigid couplings, which are assembled into pipe without disassembling bolts, nuts and housings. This installation-ready, patented design reduces handling and speeds installation, thus saving precious construction time.

## **Conclusion**

Victaulic saves time and money and enhances sustainability, not only by the installation of its products themselves, but through the promotion of sustainable installation and maintenance processes. Victaulic products could be involved in up to 36 Green Star points. Consult your local Victaulic representative for the right solution on your next sustainable building project.