

Extra Green Star Credits with PVC

All PVC applications - window frames, wall profiles, roof membranes, fittings and furnishings etc - can be specified in Green Star projects without discrimination and many may contribute to building solutions that are eligible to earn points outside the specific PVC Credit. For example:

- **Greenhouse Gas Emissions:** uPVC double glazed windows and white vinyl roofing membranes reduce building operational energy consumption. Annual greenhouse gas emissions related to energy consumption can be 40-50% lower using uPVC window frames compared to traditional window products.
- **Dematerialisation:** Oriented PVC pressure pipe reduces material use compared to traditional plastic pipe materials by up to 50 per cent due to significantly thinner walled pipes. PVC permanent formwork profiles for wall construction may also reduce concrete & cement material use compared to traditional concrete wall systems.
- **Recycled Content & Re-used Products and Materials:** Many PVC products contain externally sourced, post-industrial and post-consumer recycled content. For example, flooring products are available with recycled content of up to 60 per cent and conduit and stormwater pipes commonly contain recycled PVC.
- **Waste Management:** Many PVC products are recyclable and can be recovered and sent for recycling from demolition and construction sites eg pipes, conduit, cabling, floor coverings, siding and rigid profiles.
- **Thermal Comfort:** Openable uPVC-framed windows not only have very good thermal properties to save energy use, but also assist in natural ventilation. Tilt and turn uPVC window systems allow opening in two directions to enhance ability to take advantage of cross ventilation.

Visit our website www.vinyl.org.au for more information about the range of vinyl building and architectural products.



Vinyl Council Australia

The Vinyl Council of Australia is working to advance the sustainability of the vinyl, or PVC, industry in Australia. Its members are drawn from across the supply chain of the vinyl industry.

The information contained in this document is given in good faith and has been derived from sources believed to be reliable and accurate. The Vinyl Council of Australia does not accept responsibility for any loss or damage as a result of its use.



Best Environmental Practice PVC

Get more out of your Green Star Credits



If **Green Star points** are **important** to you, you need to look at this

Phone (03) 9368 6171

Email info@vinyl.org.au

Web www.vinyl.org.au

ACN 083 012 533



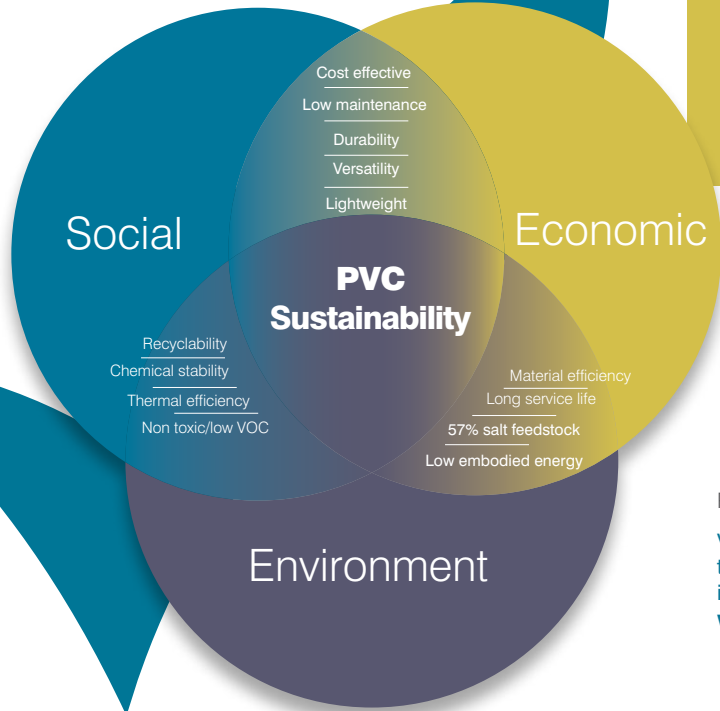
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Contributing to a Sustainable Built Environment

PVC, or vinyl, has the versatility to help meet modern design needs. Because of the material's technical properties and environmental attributes, PVC often outperforms competing or traditional materials on a life cycle basis.

PVC uses less oil for its feedstock than other traditional polymers as more than half its feedstock comes from abundantly available salt. It is considered to be one of the least energy intensive plastics and PVC products are often found to have lower embodied energy when compared to a range of competing materials. Recycling PVC means its carbon footprint is even lower.

PVC adds significantly to quality, safety, sustainability and cost effectiveness in delivering the required service, be it transporting clean drinking water, conserving energy in a building or enabling safe, fast and material- efficient wall construction. Product development and innovation by manufacturers is continually improving the life cycle of PVC products and buildings.



info@vinyl.org.au

Best Practice Best Choice

Under the PVC Credit in Green Star rating tools, the Green Building Council of Australia is encouraging the use of PVC products manufactured with best environmental practice.

Choose a Best Environmental Practice PVC product in its common applications - flooring, resilient wall coverings, pipe, conduit, cable and wiring - and it can earn up to two points under the PVC Credit in Green Star. That's in addition to any points the product may also earn through the Materials or Flooring Calculators.

To be confident that the PVC products you specify for your Green Star projects are compliant with the Green Star PVC Credit guidelines, look for this mark:



Under the PVC Credit guidelines, product suppliers of the common PVC applications will need to provide a third party verification certificate that their products meet the guidelines. To aid recognition of compliant products available in the market, the Vinyl Council of Australia has established a Best Environmental Practice PVC registration system and licence mark.

The Best Environmental Practice PVC trade mark is licensed only to those PVC products, upon application, that demonstrate third party verification of compliance under the PVC Credit guidelines.

Visit our on-line registry of Best Environmental Practice PVC to identify products for your next project that have achieved independent verification of compliance at www.vinyl.org.au/FindPVCProducts



PVC Credit points are awarded as follows

- One point where 60% of most common PVC products (by cost) complies; and
- Two points where 90% of common PVC products (by cost) complies.



View the Vinyl Council registry of Best Environmental Practice PVC Products.
www.vinyl.org.au/findPVCproducts

The PVC Credit in Green Star recognises the progress the Australian vinyl industry has achieved to improve sustainability in the life cycle of PVC products, giving you more choice in design.



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