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# ENGINEERING A SUSTAINABLE FUTURE WITH ARDEX

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**SYSTEMARDEX**  
PREMIUM PERFORMANCE





# LOOKING TO TOMORROW

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**At ARDEX, we see ecology and economy as two sides of the same coin.**

We set the bar high with products that are not only top quality but environmentally friendly too. It's our answer to preserving the planet for the future, and providing value for money.

Made from carefully selected raw materials, virtually all ARDEX products are solvent free and meet Green Star rating standards. That means they're made with materials that are 100% recyclable, and have a negligible impact on the environment.

With ARDEX products, you know you've made the right choice when it comes to sustainable construction.



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For 60 years, ARDEX has been a quality and innovation leader in its industry. Through manufacturing the highest quality products possible, and guaranteeing their use for as long as 20 years, ARDEX ensures a longevity and durability that is needed to ensure the sustainability of the buildings around us.

We measure our environmental impact by understanding VOC levels and using Green Star ratings, implemented by the New Zealand Green Building Council.

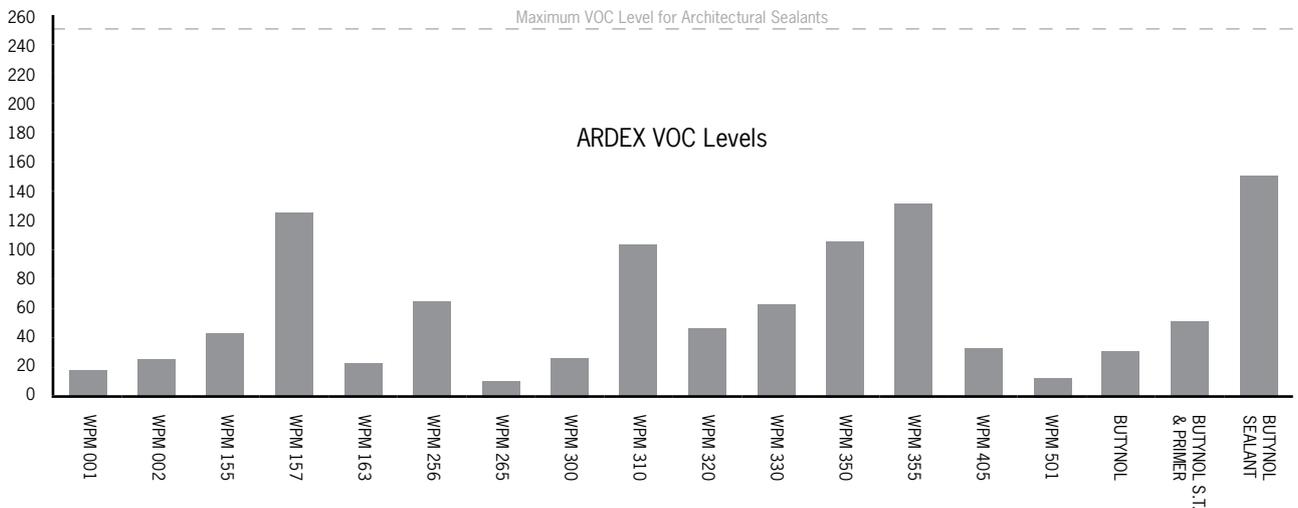
# GREEN STAR RATINGS AND VOC LEVELS



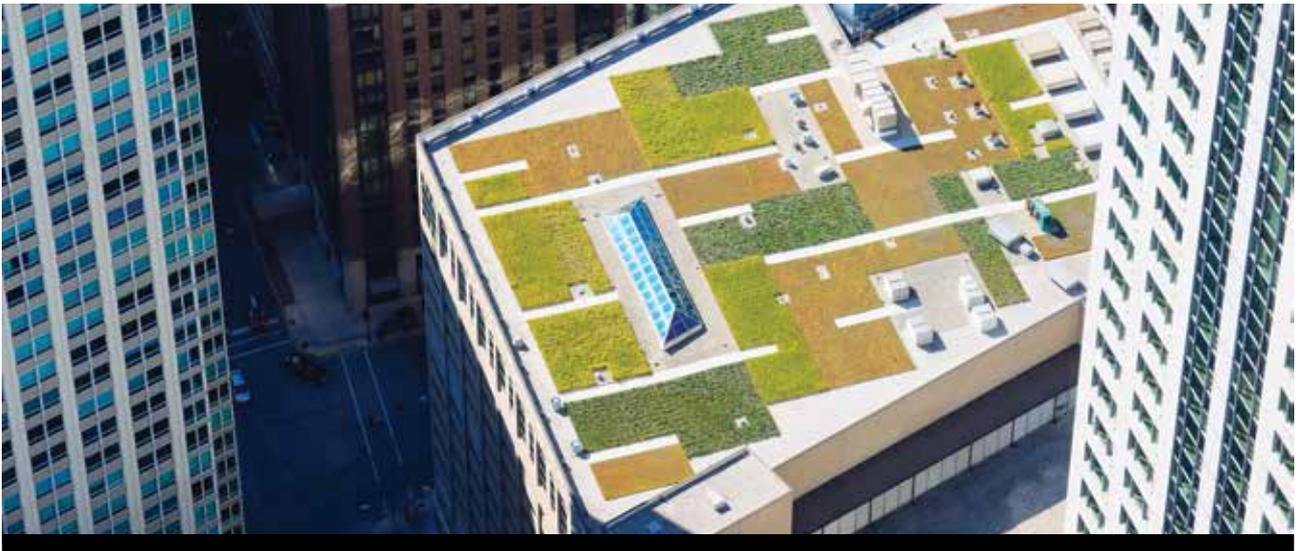
Green Star ratings are used to rate a buildings overall environmental impact, and are based across nine categories, including; energy, water, materials, indoor environment quality (IEQ), transport, land use & ecology, management, VOC emissions, and innovation.

Volatile Organic Compounds (VOC) are carbon-based molecules that are used in a range of building materials. Under normal conditions, they vaporise, effectively leaving their host and entering the air where they combine to form air pollutants (i.e. petrochemical smog or greenhouse gases).

Our innovation and cutting-edge production methods have allowed us to manufacture a range of premium quality, low VOC solutions that are compliant with Green Star rating standards.



ARDEX waterproofing products have been independently tested by CETEC against the GBCA requirements and fall well under the requirements of 250g/L for IEQ-13 Architectural Sealants.



# ARDEX LIVING ROOF SYSTEMS

Living roofs achieve a natural synergy with the environment, providing many social, economic and environmental benefits in both rural and urban areas.

ARDEX membranes have been used in New Zealand for over 40 years, providing watertight solutions for Living Roofs. Our first Living Roof project was the Takaro Lodge in Te Anau which still can be seen today. ARDEX have multiple systems available to provide a complete solution for any Living Roof project.

ARDEX Butynol & ARDEX TPO both have potable water certificates, carry the CODEMARK certificates of conformity and are BRANZ appraised. You can specify in confidence with proven performance and products that have a lifecycle of well over 40 years



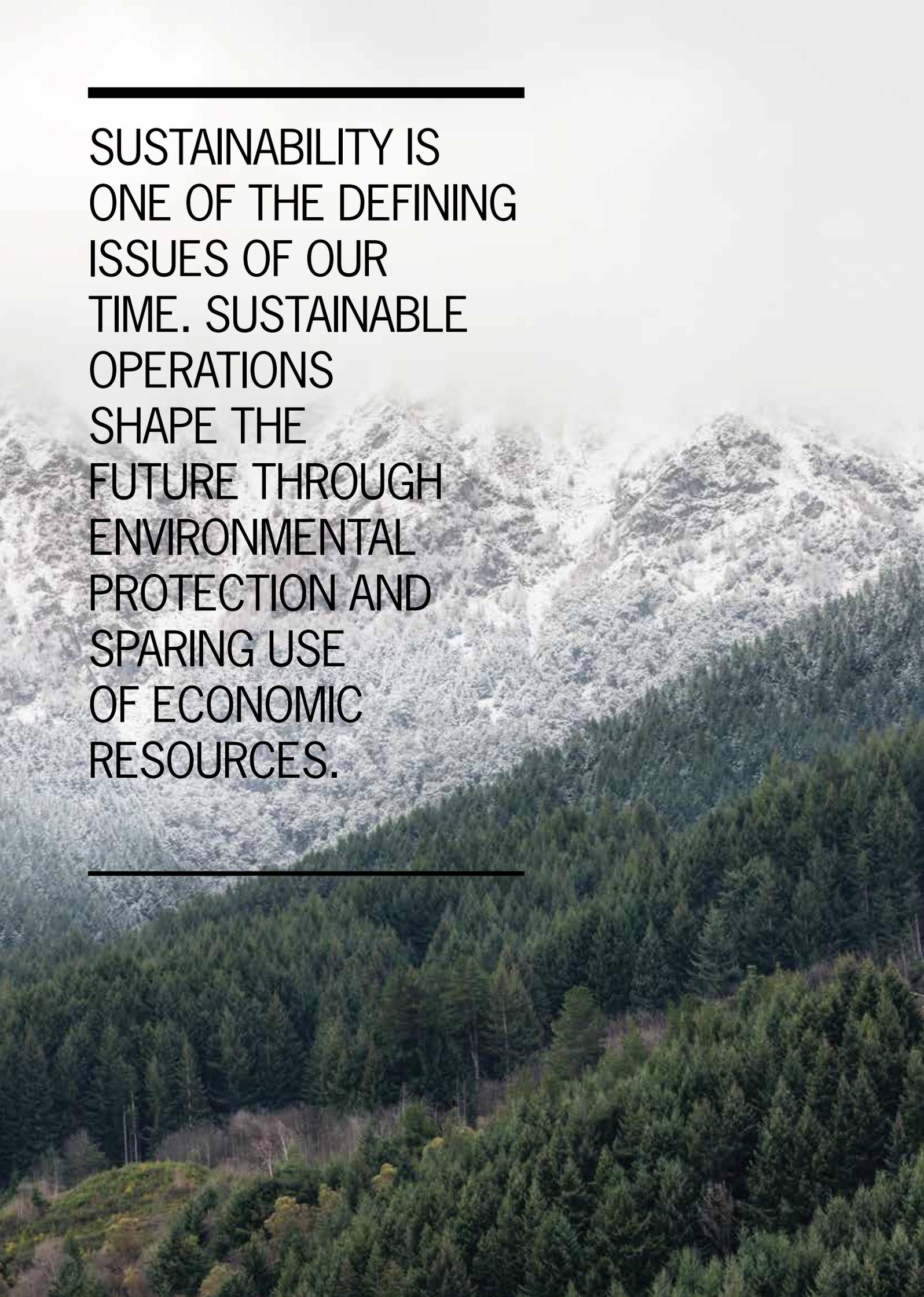
Both ARDEX Butynol and ARDEX TPO systems have excellent Global Warming Potential (GWP) ratings. As measured by the ERA Life-Cycle Analysis study in 2009, the comparison below shows their environmental performance alongside other options.

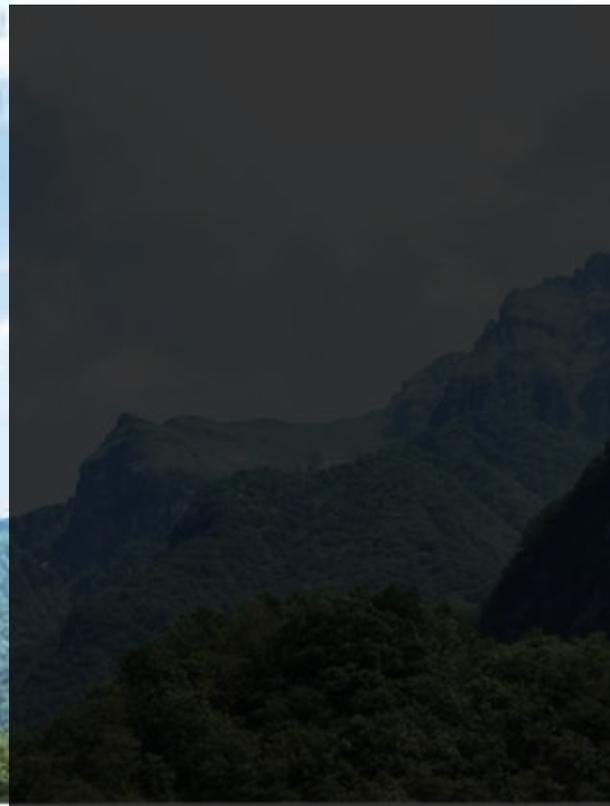
	Global Warming Potential (GWP) Ratings	Minimum service life to achieve equivalency (years)
<b>TPO</b>	30.5	20.4
<b>Butyl</b>	29.6	19.8
<b>PVC</b>	73.1	49

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SUSTAINABILITY IS  
ONE OF THE DEFINING  
ISSUES OF OUR  
TIME. SUSTAINABLE  
OPERATIONS  
SHAPE THE  
FUTURE THROUGH  
ENVIRONMENTAL  
PROTECTION AND  
SPARING USE  
OF ECONOMIC  
RESOURCES.

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