

AkzoNobel Packaging Coatings

Aqualure™ G1 50

**BPA Non-Intentionally Added (BPA-NI) Internal Spray Liner
for conventional 2-pc Aluminum Beverage cans**
Europe, Middle East and Africa Region

AkzoNobel 



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Aqualure™ G1 50

Aqualure G1 50 is a waterborne BPA-NI Internal Spray Liner that delivers market leading application performance, allowing customers to transition smoothly to and from epoxy based lacquers while meeting performance requirements and complying with local legislation.

Specifications



Specifications for Europe, Middle East and Africa Region:

- Technology: Modified acrylic
- Solids: 18-19% (typically)
- Application: Airless spray
- Appearance: Milky white when wet, light gold when cured
- Film weight: (330ml beverage can): 3gsm (typically 110mg per can)
- Typical VOC: 14.2% (19% nvm variant)
- Viscosity: (ISO 4 Cup @ 25°C): 32-47 seconds

Key Features



- BPA Non-Intentionally Added (BPA-NI) inside spray coating for aluminium beverage cans
- Non-detectable^{1/2} limits of styrene
- Suitable for all drink types (Water, Juice, CSD, Beer, Energy, & Hard to Hold)
- Plug and spray capability – allowing smooth transition to and from epoxy
- Multiple variants available to meet specific line conditions and can sizes
- Superior mobility vs. competitor products

Customer Benefits



On the can making line:

- Provides brand owners and can makers the ability to supply beverage cans to markets that restrict the use of Bisphenol A (BPA).
- Qualified by an extensive list of global and regional brand owners.
- All Aqualure G1 50 branded products have the same dry film. The 'one dry film' approach simplifies global brand qualifications, by reducing time and costs, enabling the rapid roll out of the coating across the world.
- Local production availability in each global region.
- Plug and Spray: No set-up time needed to convert from epoxy to BPANI, enabling can makers to make more cans, more of the time.
- Superior mobility in can plants and filling lines vs our nearest competitor.

¹ Styrene has not been detected at LOD 0.0068 µg/in² in migration studies (10% EtOH; 2hr at 121°C) performed on select Aqualure G1 50 products. EDI calculations were performed in accordance with FDA FCN recommendations.

² Testing has been limited to select Aqualure G1 50 products, may not be representative of all intended end uses, and it remains the responsibility of the business selling products in the State of California to determine whether Prop 65 warnings are required under California Health and Safety Code Section 25249.6.

Aqualure G1 50 has been developed to meet the ever evolving BPA-NI needs of both consumers and legislation. Aqualure G1 50 has all the necessary regulatory approvals needed to permit it to be used anywhere in the world. The product range has already been qualified by an extensive list of global and regional brand owners.

AkzoNobel's global footprint enables our customers to benefit from a local product availability that is backed up by our industry leading Technical Support Service. Aqualure G1 50 really is the optimal product for can makers' BPA-NI conversions.

California Proposition 65:

Aqualure G1 50 have established that styrene is non-detectable at FDA estimated daily intake (EDI) levels below the proposed Prop 65 NSRL. The assessments include AkzoNobel and external test lab migration data coupled with dietary intake calculations.^{1/2}



Airless Spray



Aluminium



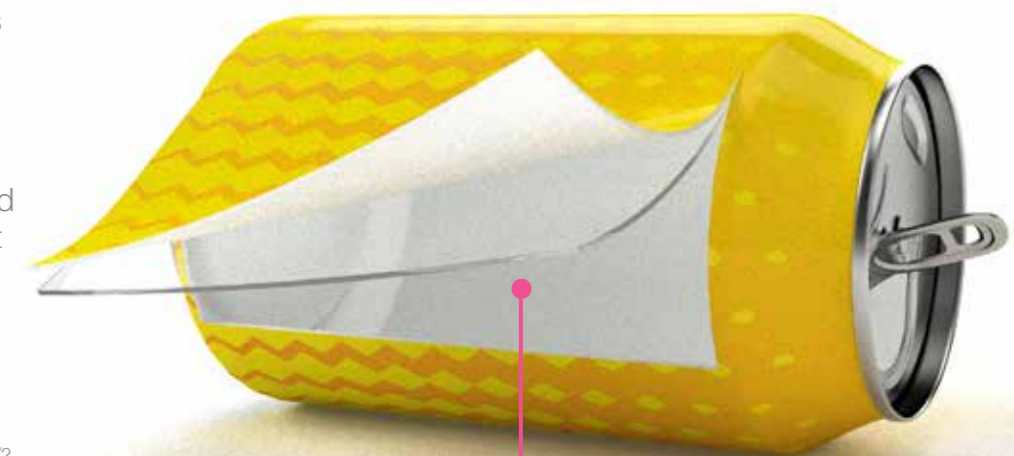
BPA-NI coating



Product Information / Technical Features

Key Details

Substrate	Aluminium
Colour	Very pale gold
Wet Colour	White
Application	Airless spray
Drying / Stoving	188°C for 60 seconds at peak, or 193°C for a minimum of 30 seconds at peak, for all parts of the can
Film Weight	Quoted as minimum (gsm) on any part of the can for Beverage Packs: 2.7 gsm
Storage Conditions	9 months between 7°C - 20°C (44°F - 68°F)



Internal Protection

Aqualure™ G1 50

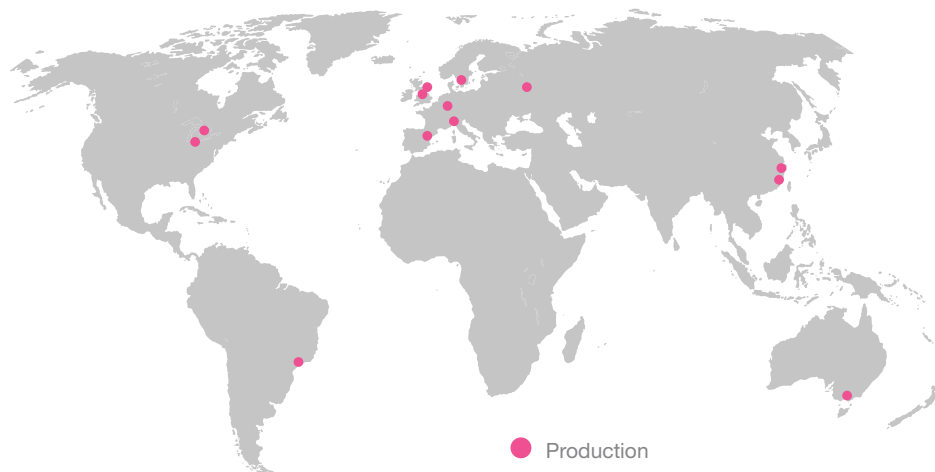
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AkzoNobel creates everyday essentials to make people's lives more liveable and inspiring. As a leading global paints and coatings company and a major producer of specialty chemicals, we supply essential ingredients, essential protection and essential color to industries and consumers worldwide. Backed by a pioneering heritage, our innovative products and sustainable technologies are designed to meet the growing demands of our fast-changing planet, while making life easier. Headquartered in Amsterdam, the Netherlands, we have approximately 45,000 people in around 80 countries, while our portfolio includes well-known brands such as Dulux, Sikkens, International, Interpon and Eka. Consistently ranked as a leader in sustainability, we are dedicated to energizing cities and communities while creating a protected, colorful world where life is improved by what we do.

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The information provided herein is based on results generated at AkzoNobel laboratories. There are many factors that can affect product performance, so results may vary. AkzoNobel does not guarantee the aforementioned results. It is the responsibility of the buyer to ensure product performance complies with technical requirements and all relevant legislation and regulations.

