

AkzoNobel Packaging Coatings

Aquaprime™ 104

Matte effect over print varnish for two-piece aluminium beer and beverage cans

AkzoNobel 



Aquaprime™ 104

Aquaprime 104 is a waterborne matte effect overprint varnish for two-piece beer & beverage cans. AquaPrime 104 provides brand owners with the ability to increase their product's shelf presence at the point of sale in a highly competitive retail market.



Specifications



- Technology: Waterborne epoxy.
- Solids: 37 to 41% (typically).
- VOC: 300-400g/kg.
- Film weight: 2.7 to 3.5 gsm (60-80mg per 33cl can).
- Viscosity (ISO 5 Cup @ 25° C): 50-90 seconds.

Key Features



- Matte effect OPV – provides an unique look and feel to beverage cans.
- AkzoNobel pioneered the use of matte effect OPVs on beverage cans with the introduction of AquaPrime 104.
- Proven performance: long history of supply in Europe, Middle East, Africa, and Asia.
- Application: High Speed Decorators (Roll Coat Operation); Concorde & Rutherford Decorators.

Customer Benefits



- Distinctive matte effect: Increases the product's shelf presence in store.
- Superb can mobility through can/filling lines – reducing costly stoppages and downtime.
- Optimized performance for the necker stage of can making process.
 - No need to change necking tooling to enable the matte OPV to run.
 - Quick and easy to switch to/from matte OPV offering plants a greater can count per hour.
- Resistant to necker tooling pickup at can plants, even at high speeds.
- Application - Good flow and levelling on can surfaces.
- Excellent pasteurization performance including rebake performance.
- Delivers excellent abrasion performance, exceeding the toughest global standards.



Matte effect
External Protection
AquaPrime™ 104

Product Information / Technical Features

Parameter	
Altek mobility	0.1 max post IBO
Can to can mobility	0.15 max post IBO
MEK Cure IBO bake (Laboratory Standard)	100+
MEK Cure IBO bake (Production Standard)	50+
Applied appearance	Uniform film no defects
Ink Wetting on typical inks	Excellent wetting all inks
Pencil hardness (IBO bake)	>7H
Flexibility (wedge bend) % non breakdown	80% min
Pasteurisation performance	Joy test 95°C/30 min std
Neck adhesion	No adhesion loss
Blush performance (post Joy)	< Grade 1
Abrasion performance	Excellent
Application properties: Foam generation	Minimal / None
Film weight applied typical	60-80mg per 33cl typical
Film weight g/m ²	2.7 - 3.5

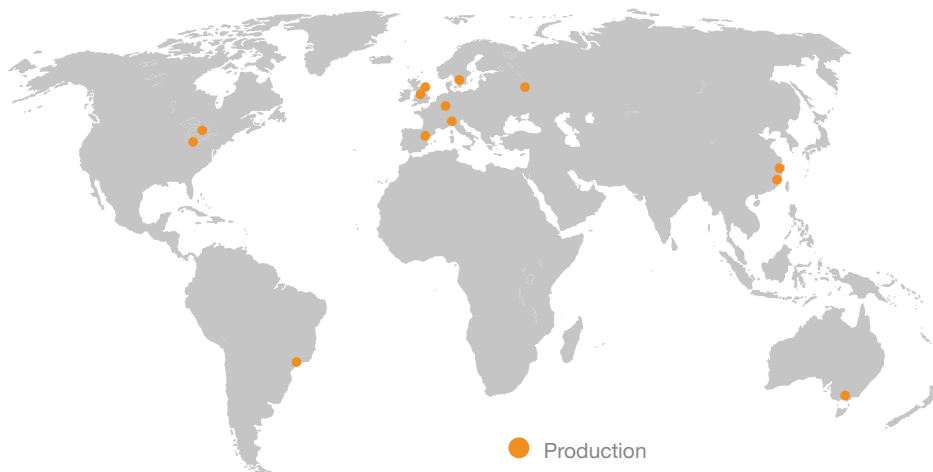
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AkzoNobel creates everyday essentials to make people's lives more liveable and inspiring. As a leading global paints and coatings company and a major producer of specialty chemicals, we supply essential ingredients, essential protection and essential 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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