

AkzoNobel Packaging Coatings

Aquaprime™ 105

High abrasion resistance overprint varnish for conventional two-piece aluminium beer and beverage cans

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Aquaprime™ 105

Aquaprime 105 is a waterborne overprint varnish for two-piece beer & beverage cans. Developed to meet and exceed the demanding requirements of can makers and brand owners alike. The Aquaprime 105 range delivers superior abrasion performance, higher gloss retention, leading slip mobility, and excellent pasteurization performance.



Specifications



- Waterborne polyester
- Solids: 37 to 41% (typically)
- VOC: 300-400g/kg
- Film weight: 2.7 to 3.5 gsm (60-80mg per 33cl can)
- Gloss : 110 to 125 at 600C
- Viscosity (ISO 5 Cup @ 25° C): 50-90 seconds

Key Features



- Proven performance: long history of supply in Europe, Middle East, Africa, and Asia
- Application: High Speed Decorators (Roll Coat Operation); Concorde & Rutherford Decorators
- Industry leading performance: delivering all key over print varnish metrics including excellent scratch hardness and abrasion performance

Customer Benefits



- Superb can mobility through can/filling lines
- Resistant to necker tooling pickup, even at high speeds
- Good flow and levelling on can surfaces
- Excellent Pasteurization Performance including rebake performance
- Delivers excellent abrasion performance, exceeding the toughest global standards



External Protection

Aquaprime™ 105

Product Information / Technical Features

Parameter	
Altek mobility	0.08 max post IBO
Can to can mobility	0.1 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, INX, PPG, SUN, AkzoNobel	Excellent wetting all inks
60° gloss IBO	>100 INX red ink
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/m²	2.7 - 3.5

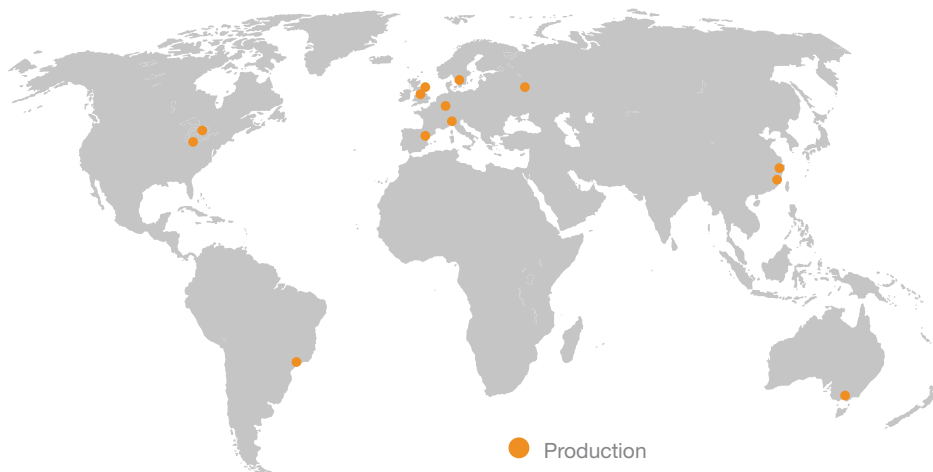
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AkzoNobel creates everyday essentials to make people's lives more liveable and inspiring. As a leading global paints and coatings company and a major producer of specialty chemicals, we supply essential ingredients, essential protection and essential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