

AkzoNobel Packaging Coatings

Aquaprime™ 186

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

AkzoNobel 



Aquaprime™ 186

Aquaprime 186 is a waterborne tactile effect overprint varnish for two-piece beer & beverage cans. Aquaprime 186 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 Polyester
- 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



- Tactile effect OPV – provides a unique look and feel to beverage cans
- Offers a cost effective alternative to embossing which slows down can line production and stiffens the can
- AkzoNobel pioneered the use of tactile effect OPVs with the introduction of Aquaprime 186
- 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 tactile 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 tactile OPV to run
 - Quick and easy to switch to/ from tactile 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.



Tactile effect
External Protection
Aquaprime™ 186



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/m²	2.7 - 3.5

How does AquaPrime 186 work?

AquaPrime 186 varnish delivers an embossed effect when used in conjunction with special compatible ink. At desired points, AquaPrime 186 forms a series of tiny raised dots on the surface. When held, the improved grip becomes noticeable, while the texture gives the impression of condensation and the contents appear to be ice cold. These unique visual and sensory elements boost brand recognition and help the can to become even more instantly recognizable.

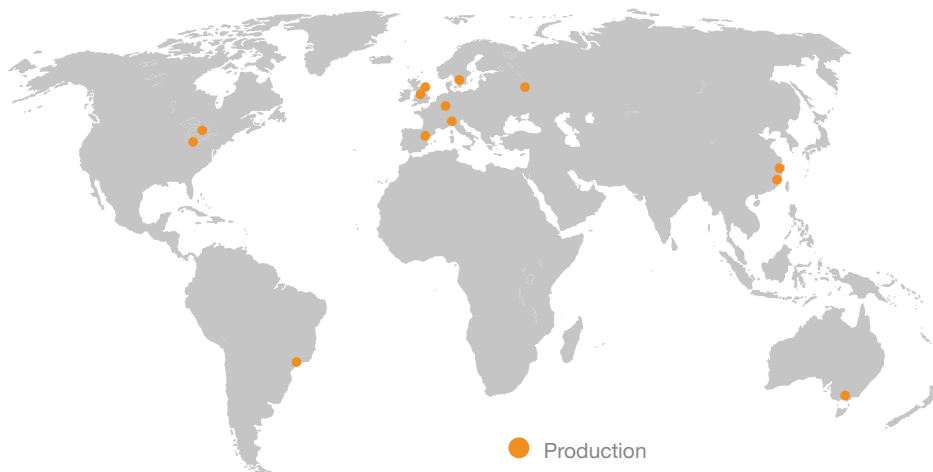
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AkzoNobel creates everyday essentials to make people's lives more liveable and inspiring. As a leading global paints and coatings company and a major producer of specialty chemicals, we supply essential ingredients, essential protection and essential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