

AGGREBOND[†] PC

Bitumen & Precoat Adhesion Agent

Product Description

Aggrebond PC is a 100% active soluble fatty acid imidazoline adhesive / anti-stripping agent designed for use in the preparation of aggregate precoat and as an additive in cutback bitumen to improve binder / aggregate adhesion in spray seal surface dressings.

Attributes

Aggrebond PC can overcome the poor bond between the binder and aggregate which occurs due to the presence of moisture or dust at the interface of the two surfaces. Stripping can also occur due to a weak chemical attraction between the binder and the aggregate due to incompatible polarities.

Aggrebond PC has been specifically designed to form a strong bond with the aggregate. During this process, moisture is displaced and once the Aggrebond PC has adhered to the aggregate the asphalt resists stripping by water.

Key Benefits

- Permitted for use across Australian in all states and territories except Queensland
- Approved by TMR, DIPL, MRWA, DPTI and conforms to RMS QA specifications 3258, 3269 & 3259
- Concentrated product (100% active) that contains no diluents
- High performance & cost effective
- Remains liquid and easily pumpable at low temperature
- Good heat stability in hot bitumen
- Can offer a lower binder requirement resulting in lower construction costs.
- Can provide improved adhesion performance in damp conditions.
- The effect of reduced stripping of aggregate over the long term can extend road life and result in lower maintenance costs.
- Low odour and simple to use for operators and personnel

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Chemico-Physical Properties

Description	Alkyl Imidazoline
Appearance (20 ^o C)	Amber liquid*
Solids by weight	100%
Specific Gravity (20 ^o C)	0.95
Odour	Amine
Amine Value	320 mg KOH/g
Viscosity cSt (20 ^o C)	235
Pour Point	<0 ^o C
Flash Point	>150 ^o C

* may become hazy or show waxy sediment on cooling but will return to its normal liquid state on warming.

Suggestions for Use

Application rates for AGGREBOND PC vary depending on local conditions and aggregate type.

AGGREBOND PC should be generally included into precoat at a rate of 1% and into cutback bitumen at a rate of 0.5% by volume of the binder.

Individual lab testing is recommended for optimization of dose rate on actual local aggregate. Testing should include addition rate of AGGREBOND PC over a range 0.25—1.0%

In-tank mixing of the product can be achieved by simple pump circulation.

Once blended with bitumen, Aggrebond PC remains effective even if held at elevated temperatures for up to 5 days*.

* Based on Laboratory testing at 180^oC conforming to a modified RMS test method T230.

Note: Industry standards and specifications for application take precedence and should always be adhered to where applicable.

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The Company

Victorian Chemical Company is committed to providing quality products and professional and friendly service, that our customers can confidently rely on to add value to their businesses. In order to achieve this goal we will continue to develop, our understanding of our customer's requirements, the operations of our company and our technical expertise.

Storage & Handling

AGGREBOND PC may be stored up to 12 months when kept in sealed containers between 4^oC and 35^oC.

Avoid exposure to air for prolonged periods as a film or crust may form on the product surface

Avoid freezing and prolonged exposure to heat

Packaging

200 Lt Drums

1000Lt IBC

Other Vicchem Products

AGGREBOND[†] SS 40% Active asphalt adhesion / anti-stripping agent for bitumen

AGGREBOND[†] Platinum 100% Active bitumen adhesion agent (Qld)

PAVEMATE[†] Warm Mix Additive / Compaction Aid

SLIPWAY[†] Heavy Duty Slip agent for bitumen trucks

SLIPWAY[†] Light General purpose truck slip emulsion

DISPERSOL[†] Lite A Heavy duty industrial cleaner for wax, bitumen & grease.

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