



Bitumen & Precoat Adhesion Agent

Product Description

Aggrebond Platinum is a new bitumen adhesion agent with a unique formulation specifically designed for Queensland conditions. It is a 100% active alkyl diamine / imidazoline blend suited for the preparation of aggregate precoat and as an additive in cutback bitumen to improve binder /aggregate adhesion in spray seal surface dressings.

Attributes

Aggrebond Platinum can reduce stripping by overcoming the poor bond between the binder and aggregate that can occur due to the presence of moisture or dust at the interface of the two surfaces. The product can also reduce stripping caused by the weak chemical attraction that can occur between the binder and the aggregate due to incompatible polarities.

Aggrebond Platinum has been specifically designed with dipolar molecules allowing one end to combine with the bitumen while the other end forms an electrochemical bond with the aggregate. During this process, moisture is displaced and once the **Aggrebond Platinum** has adhered to the aggregate, the asphalt resists stripping by water.

Key Benefits

- ❖ **Conforms to QLD TMR Specification MGS 01-2018**
- ❖ **Listed as TMR performance Level 1**
- ❖ **Good Pourability and Heat Stability**
- ❖ **Very cost effective**
- ❖ **Low odour** and unobtrusive to operators and personnel
- ❖ Remains liquid and **easily pumpable** at low temperature
- ❖ 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**.
- ❖ Concentrated product (100% active) that contains **no diluents**



AGGREBOND[†] PLATINUM[†]

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Chemico-Physical Properties

Description	Alkyl Diamine/Imidazoline
Appearance (20°C)	Amber liquid*
Solids by weight	100%
Specific Gravity (20°C)	0.91
Odour	Amine
Amine Value (KOH/g)	300 mg
Pour Point	<5°C
Flash Point	>150°C

* May become hazy or show waxy sediment at low temperatures but will return to its normal liquid state on warming.

Suggestions for Use

Application rates for **Aggrebond Platinum** may vary depending on local conditions and aggregate type.

Aggrebond Platinum should be generally included at a rate of 1% into precoat and 0.3 – 1.0 % by mass into bitumen. Dose rate will vary according to materials and conditions. Individual lab testing is recommended for optimization.

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

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

Packaging

20 Lt Carboys
200 Lt Drums
1,000 Lt IBC
Bulk Delivery

Storage & Handling

Aggrebond Platinum may be stored up to 12 months when kept in sealed containers between 4° and 35°C.

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

Other Asphalt Products

PAVEMATE[†] Warm Mix Additive / Compaction Aid

SLIPWAY[†] Heavy Duty Slip agent for bitumen trucks

SLIPWAY[†] General purpose truck slip emulsion

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

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The Company

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83 Maffra Street, Coolaroo,
Victoria 3048, Australia
Telephone: (03) 9301 7000
Website; www.vicchem.com
Email: products@vicchem.com

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