

Prime Coat Emulsion

EcoPrime[®] RAPID

EcoPrime[®] RAPID is a specially formulated emulsion-based prime coat suitable for priming a wide range of granular base course materials.

EcoPrime[®] RAPID is designed to provide greater penetrability than traditional cutback primes, while reducing excessive construction times and solvent use. Traditional cutback primes such as AMC00 take a minimum of three days to cure and can contribute significantly to the overall environmental impact of paving projects. EcoPrime[®] RAPID's unique formulation drastically speeds up the curing process, creating a construction-ready surface in as little as four hours while reducing overall solvent use by 90% when compared to cutback primes.

Benefits include:



Fast curing enabling same-day construction



No dangerous goods rating



Excellent waterproofing



90% less carbon than traditional cutback primes



Quicker and deeper penetration into granular base course



May be applied to damp surfaces

Where to use

- In all primer applications prior to asphaltting or sealing works
- On sites that require a fast return to service

Specification

Typical properties of EcoPrime® RAPID:

Property	Method	Typical values
Binder Content (%)	In-house	20% min.
Viscosity 25°C (mPa.s)	ASTM D2196 AS 2341.4	2 – 8
pH	AS 2341.32	5 – 7
Sieve Residue (%)	AS 2341.26	0.15 max.

Application

EcoPrime® RAPID can be used all year round at ambient temperatures using conventional application techniques such as road sprayers and/or lancing.

Contractors should follow relevant specifications and design frameworks to determine the appropriate application rates required for their specific job.

Orders

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Storage and handling

For best performance, EcoPrime® RAPID should be circulated for one hour per day to keep the material homogeneous.

EcoPrime® RAPID should also be circulated prior to transferring from bulk storage to tankers/sprayers and prior to application.

Like all conventional bitumen emulsions, this product should not be allowed to freeze and should be stored in a safe manner.

Product may be stored and pumped at ambient temperatures for at least 1 month after manufacturing.

For any storage and handling concerns, please contact Downer for more information.

Health and safety

EcoPrime® RAPID is a non-dangerous good according to relevant legislature.

In the event of a spill, contain EcoPrime® RAPID with sand or a suitably absorbent material and prevent access to water ways and drains.

Supply

EcoPrime® RAPID can be supplied in 200L drums, 1000L IBCs and bulk (minimum 10 tonnes).

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