



Primer Emulsion

Higgins Primer Emulsion is a cationic bitumen emulsion for priming bound and unbound granular pavements prior to surfacing with asphalt or chip seal. The emulsion has a low viscosity to allow penetration into surface voids. It is designed to provide rapid curing and excellent adhesion to pavement surfaces.


Higgins Primer Emulsion is an eco-friendly alternative to hot cutback primers. It binds dusty and loose material on the pavement surface, assists in waterproofing the pavement and presents a suitable surface for adhesion of the chip seal or asphalt surfacing.


WHERE TO USE


- Priming of bound and unbound granular pavements prior to surfacing
- Priming of concrete and timber surfaces
- Aggregate precoating
- Enrichment, fog seals and rejuvenation treatments
- Dust suppression.


The primer is specifically formulated using non-flammable, non-toxic; biodegradable solvents. It has a relatively low VOC component and a significantly reduced carbon footprint.


APPLICATION AND DESIGN

-  **Storage Life:** Up to 60 Days

-  **Storage Temperature:** 10–50°C

-  **Spraying Temperature:** 20–90°C

-  **Spray Rates:** 0.2–1.0 L/m²

-  **Air and Pavement Temperature:** 10°C and rising

- The required spray rate used is dependent upon the surface porosity and texture
- The pavement surface should be swept clean and be free of dust
- Only start spraying if no rain is forecast for at least the next 24, and preferably 48 hours
- Although the pavement surface should be free of ponding and surface water, a damp surface will facilitate spreading and penetration of the Primer Emulsion
- Curing takes 1–3 days depending upon conditions
- Higgins Primer Emulsion can be diluted with potable water. Once diluted, it should be used that day as settlement of the emulsion will rapidly occur
- Consult the manufacturer if further guidance is required
- A Safety Data Sheet (SDS) is available upon request.



Typical Properties of Primer Emulsion

Title	Method	Property
Binder Type		Bitumen
Residual Binder Content	In-House Method NTM 02	40%
Brookfield Viscosity (25°C)	ASTM D2196	30 mPa.s
Median Particle Size	In-House Method	2 micron

For more information please contact:

Higgins Bitumen, 26 Waitangi Road,
PO Box 421, Napier. E: HBM@higgins.co.nz

To the best of our knowledge the information contained in this document is correct. Since the products described herein are being continuously improved, the specified properties may vary as improvements are made to production processes and product quality. This document may be revised at any time.