

New



Chipseal

Low Flow Cationic Bitumen Emulsion

High shear / low flow / thixotropic effect



Visual differences in flow at a 30 degree slope with conventional 60% cationic emulsion vs 60% Chipseal emulsion after 12 seconds

www.tosas.co.za

Product Information

Chipseal is a rheologically modified cationic bitumen emulsion designed to prevent runoff in chip and spray seal applications. Runoff is prevented through the innovative reformulation of conventional cationic spray grade emulsion. The nett result of the reformulation is an emulsion product that presents thixotropic properties.

Chipseal will allow the contractor to spray emulsion at much steeper gradients and higher application rates than previously possible without the risk of runoff. Recommended application

Work all year round

temperature is 50°C to 70°C when using a binder distributor (for Chipseal 65 or 70) and at ambient temperature with hand sprayers (for Chipseal 60). It is recommended that the Chipseal emulsion be applied to a primed or stabilised base.

The Chipseal should be left to partially break (change from brown to black) before application of the stone chips. Road surface temperature should be a minimum of 10°C and rising. Care should be taken to ensure proper curing and adhesion prior to trafficking the seal.



Benefits of Chipseal

- Can be sprayed at steeper gradients with no runoff
- Available in 60, 65 and 70% binder content depending on the requirement of the construction environment
- Allows higher binder application rates compared to conventional emulsions with no runoff
- Less "mess" on curbs, drains and channels
- More accurate application rates can be achieved throughout the cross-section of the road
- Can be applied with hand sprayer or spray distributor connected to a pump or pressure vessel
- Chipseal is suitable for labour enhanced construction techniques and compliments the use of the manual "Chippy" chip-spreader
- Sedimentation of bitumen in emulsion is reduced during storage of emulsion

Not recommended

- Do not dilute, dilution will affect the viscosity adversely
- Do not heat emulsion above 70°C

Note:

- Emulsions need special attention when loading sprayers or haulers to prevent foaming.
- Chipseal can be applied at much higher applications compared to conventional bitumen emulsions, however higher application rates will result in slower evaporation of water and sound engineering skills must be applied when constructing the seal.

Head Office: 12 Commercial Road, Wadeville, Germiston, 1422
Tel: 011 323 2000 / Fax: 011 902 1112 / Web: www.tosas.co.za
Email: quotes@tosas.co.za
Branches: Worcester: 023 342 0609 / Namibia: 0026 (46) 722 1942
Botswana: 00267 391 4957 / Bloemfontein: 051 435 0214
East London: 043 745 0595 / Hammarsdale (KZN) - 087 087 2751