



## DUST DOWN

### WATER SOLUBLE BITUMEN EMULSION

#### BENEFITS

- Residue remains in the pavement material without leaching
- Successive applications may be used to gradually develop a lightly sealed surface material
- Reduces dust and saves water

#### DESCRIPTION

Dustdown is a bitumen emulsion which can be diluted in water and applied to unsealed roads and unbound areas to bind surface fines, reduce dust and maintenance costs and also save water. Dust suppression using Dustdown is generally applicable to low traffic roads, hard stand areas and temporary roads on construction sites. RST do not generally recommend the use of bitumen emulsion for haul roads due to ongoing maintenance and spillage issues.

#### APPLICATION

It is preferable to shape application area as necessary and lightly sweep the surface to remove excessive dust and loose material. A preliminary dampening may assist in obtaining a uniform distribution of product. Excessive dust will reduce effectiveness and require more applications. Diluted Dustdown may be applied with a standard water cart, preferably one with a pressure spray bar and can generally be completely removed by flushing with clean water as required.

Bituminous residues can be difficult to remove from equipment that is not designed for spraying bituminous materials. Traffic should be kept off the surface until the emulsion is fully broken and the surface is dry. This is generally a minimum of 2-3 hours.

Dustdown is diluted with water prior to use. Dilution rates vary from 40:1 to 10:1 depending on surface condition and application procedure. A typical application rate for diluted Dustdown is about 1.0 L/m<sup>2</sup> of total liquid. If surface run-off occurs, the rate of application should be reduced.

Lower application rates and higher concentrations of emulsion are used on hard surfaces. Higher application rates and more diluted mixtures are used on softer and more permeable surfaces.

#### HEALTH, SAFETY, ENVIRONMENT AND THE COMMUNITY (HSEC)

RST strives, through a process of continuous improvement, to fully integrate health, safety, environmental and community (HSEC) consciousness into all aspects of its activities

*Please refer to latest Product Technical Sheet or Material Safety Data Sheet for more information*