



## TECHNICAL BULLETIN #31

# SAMlprime K2

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### Description

SAMlprime K2 is a penetrating primer emulsion specifically formulated for use on compacted stabilised base course surfaces. SAMlprime K2 is sprayed on to the surface prior to surfacing, to enhance the adhesion between the stabilised base course pavement and the new seal or asphalt.

Advantages of SAMlprime K2 over cutback bitumen primers are:

- It is less sensitive to moisture in the surface layer.
- Its low viscosity provides very good surface penetration.
- It provides very good wetting characteristics and adhesion.
- It can be sealed or asphalted over within 12 hours.
- It eliminates the use of dangerous goods.
- It will not contribute to bleeding of the final surface as it contains little cutter.
- It is non-hazardous and does not require heating.

### Specification

|                          |        |           |
|--------------------------|--------|-----------|
| Residue from evaporation | mass % | 25 min.   |
| Viscosity @ 25°C         | mPas   | 100 min.  |
| pH                       |        | 2.0 – 3.0 |

### Surface Preparation and Use

The surface to be primed must be swept clean and any loose material removed. SAMlprime K2 is sprayed at a rate of between 1.5 and 2.5 litres per m<sup>2</sup>, although this depends on the porosity of the surface and surface texture. Spray temperature of SAMlprime K2 should be 60°C (do not heat above 70°C). Up to 5% white spirit may be added to SAMlprime K2 for very hard/tight surfaces or in cool pavement conditions. The actual application rate should be determined on site prior to spraying. The surface will be ready for spray seal or asphaltting when the prime has fully cured. Penetration into the surface is time dependent and the curing process is dependant on climatic conditions and will have occurred when the surface has changed in colour from a brownish liquid at time of spraying, to black.

As SAMlprime K2 is an emulsion, the surface may be “saturated dry” in appearance at the time of spraying.

This technical bulletin should be read in conjunction with the Material Safety Data Sheets.

**NOTE:** *Whilst every care is taken in the preparation of this bulletin, no responsibility is accepted for the interpretation of the information contained herein, nor is any warranty expressed or implied for the suitability of the material for a particular purpose.*