

TECHNICAL BULLETIN #34

SAMlprime K2/P

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Description

SAMlprime K2/P is a specially prepared primer emulsion containing an SBS polymer modified bitumen base. It is designed as a primer for use on concrete and is ideally suited for use in enclosed areas, such as tunnels, due to its emulsified form.

SAMlprime K2/P penetrates the fine pores of concrete between 0.5mm-1.0mm deep, depending on the porosity of the surface, filling them with a residual deposit of rubber. The carrier is also designed to penetrate and bind excess lime or cement in concrete surface layers.

Specification

Residue from evaporation	mass %	20 min.
pH		1.5 - 3.0

Surface Preparation and Use

The surface to be primed must be clean and have any waterproof curing compound completely removed prior to application of the primer. SAMlprime K2/P is sprayed at a rate of between 0.25 and 0.35 litres per m², although this depends on the porosity of the concrete and surface texture. The actual application rate should be determined on site prior to spraying. The resulting primed surface is normally ready for an AC overlay, membrane application or joint sealing, once the water content has evaporated from the primer. This will depend on climatic conditions and have occurred when the surface has changed in colour from a brownish liquid at time of spraying, to black.

The "Engineer" should be satisfied of the effectiveness of the primer prior to proceeding with large areas of AC overlay or membrane application.

It is recommended that specifications include that there be no rain or water on the concrete surface during the previous 24 hours before priming, and it must be clean of dust and oil residue. However as SAMlprime K2/P is an emulsion, the concrete surface may be "saturated dry" in appearance at the time of spraying.

SAMlprime K2/P has a very short storage life if supplied in drums (up to 5 days after manufacture), after which settlement most likely will occur. Prior to use the drums should be given a good mixing (rolling around) and agitation to mix the contents prior to use. If after agitation/mixing there is still settlement in the bottom of the drums the product is not suitable for use.

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.