

# Surmac<sup>®</sup> Eco

## General information

Surmac is a polymer modified bitumen binder for high quality surface dressing. Surmac is based upon a chemical system where the molecular weight of the polymer is increased within the bitumen phase under carefully controlled conditions. [ Cross-linking ]. The end product is free of volatile solvents that's why there is immediate attainment of the final properties.

Latexfalt bv employ a multi-component package which initiates, propagates and then terminates the reaction in a predictable and reproducible way resulting in a consistent end-product.

Being a multi-component chemical system, Surmac Eco differs substantially from other modified binders on the market which are mostly simple physical blends of a polymer such as SBS or EVA with bitumen.

## Physical properties on dried material

Fraass breaking point	: > -22°C
Elongation at break 0 °C ASTM D412	: > 500%
Specific Weight gr/cm <sup>3</sup>	: app 1.008
Adhesion ( under water)	: 100%
Viscosity [ Cone and Plate 180°C]	: 0.08 – 0.12 Pa.s
Softening Point °C	: > 42
Elastic recovery 7°C	: > 50%
Flash point °C [ COC]	: > 220
Vialit -5°C [ loss]	: < 10%

## Adhesion

When applied sprayed on asphalt surface Surmac Eco rapidly exhibits an unusually tough and elastic consistency, gripping chippings immediately. Its unique ability to lock onto and retain chippings, makes Surmac Eco the ideal choice for heavily trafficked situations where displacement of chippings cannot be tolerated. A Surmac surface dressing can be swept immediately providing a benefit to both the road user and the contractor.

## Application

Spraying of Surmac can be carried out using conventional or latest designed tankers. Jets can be swirl or slotted. Test should be made to ensure an even transfer bar distribution. This will enable correct working pressure, parameters of temperature and height of bar to be assessed.

## Spraying temperature

170-180 °C

## Application temperature

+ 10 - + 35°C

## Directive

When applying the surface dressing with Surmac products, the road surface must be clean and dry.



## PRODUCT INFO

<i>Application Surmac Eco</i>					
<i>2/6 mm</i>		<i>4/8 mm</i>		<i>8/11 mm</i>	
<b>binder kg / m<sup>2</sup></b>	<b>aggregate kg / m<sup>2</sup></b>	<b>binder kg / m<sup>2</sup></b>	<b>aggregate kg / m<sup>2</sup></b>	<b>binder kg / m<sup>2</sup></b>	<b>aggregate kg / m<sup>2</sup></b>
--	--	1,0 - 1,3	± 11	1,3 - 1,7	± 13

\* Chippings may be either pre-coated or not coated.

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

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Hoogewaard 183 Postbus 6 2396 ZG Koudekerk aan den Rijn

Tel.071-341 91 08 Fax.071-341 59 46

E-mail:info@latexfalt.com www.latexfalt.com