

# Spectrasfalt® Safegrip Systems

**Composition** The Spectrasfalt Safegrip System is a combination of modified bitumen emulsion, in black or pigmentable bright colour, and wear-resistant chippings, applied in two layers.

**Description** Spectrasfalt Safegrip emulsions are medium setting cationic-bitumen-rubber emulsion with improved adhesion to stone. After setting a highly elastic binder is formed.

- Uses**
- surface dressings on asphalt and concrete for intensively trafficked floors and roads such as ramps, road crossings, parking garages, entrances etc.
  - non-slip surface for loading bays and ramps.
  - making new and worn out concrete surfaces waterproof and dust free.
  - Coloured safety markings

- Application**
- By hand spraying machines or buckets and brooms.
  - double surface dressing: areas with intensive traffic requiring a non-slip surface and waterproof.
  - replacement of deficiencies in worn surfaces of hot rolled asphalt.

		<b>Safegrip</b>	<b>Safegrip Color</b>
<b>Emulsion properties</b>	emulsion type	: cationic	cationic
	binder content	: approx. 60%	approx. 55%
	viscosity 25°C STV 4 mm	: 20-60 sec.	20 – 40 sec.
	density	: approx. 1000 kg/m <sup>3</sup>	approx. 1000 kg/m <sup>3</sup>
<b>Binder properties after drying</b>	softening point R&B	: > 60°C	> 50°C
	elasticity ASTM D412		
	20°C	: > 2000%	> 2000%
	0°C	: > 500%	> 500%
	-10°C	: > 100%	> 100%
	adhesion [Vialit] at -20°C	: 90%	70%
<b>System properties</b>	bonding strength 20°C	: > 1 N/mm <sup>2</sup>	> 1 N/mm <sup>2</sup>
	adhesion of slade chippings		
	DIN 1048	: < 2% loss	< 2% loss

Spectrasfalt Safegrip is water vapour-permeable.

**Properties** Double surface dressings using angular chippings, which have been properly compacted to provide an excellent, wear resistant course. The highly elastic binder also seals the micro cracks. Special glasfibre inlay can be used as stress absorbing membrane.



## PRODUCT INFO

<b>Adhesion</b>	Excellent on concrete and asphalt through the application of a selected mixture of bitumen and elastic polymers with very good adhesive qualities.
<b>Pre-treatment</b>	The surface to be treated must be free of dust, oil, grease, old coatings and cement layer. The surface to be treated must be sandblasted in almost all cases. The base course must be wind-dry.
<b>Processing</b>	Stir Spectrasfalt Safegrip emulsion well before use. Spectrasfalt Safegrip is applied with a mastic broom, sweeper or special pump. Highly absorbent base courses to be treated, must be prewetted.
<b>Application</b>	<ul style="list-style-type: none"><li>- Apply the first layer of Spectrasfalt Safegrip on the clean base course.</li><li>- Then the underlayer is lightly gritted whilst the freshly applied emulsion is still wet.</li><li>- After the first layer has dried, remove any material which has been scattered too thickly or unevenly.</li><li>- Apply the second layer of Spectrasfalt Safegrip once the first layer is completely broken and the first layer of gritting material is well- fixed.</li><li>- For the proper combination of Spectrasfalt Safegrip and gritting materials, see Tables I and II.</li></ul> <p>The Spectrasfalt Safegrip system can first be put into use when the system has permanently adhered to the base course. In good drying weather during the summer months, this usually takes 24 hours. The adhesion time can last considerably longer in the spring and autumn.</p> <p>Do not apply Spectrasfalt Safegrip at temperatures lower than 10 °C [do not apply during adverse weather conditions].</p>
<b>Coverage</b>	2,5 - 3,0 kg/m <sup>2</sup> of Safegrip emulsion.
<b>Color</b>	Black or natural [colourable with pigments]
<b>Storage</b>	Above freezing point, in sealed packaging, maximum 6 months [roll before use]; protect against drying out.
<b>Packing</b>	Bulk or in drums of 25 and 200 kg.



## Spectrasfalt® Safegrip Systems

**Table 1** Indication for use of Spectrasfalt Safegrip and gritting material on different bases for red indication layer.

quantity in kg/m <sup>2</sup>  base course	1 st layer		2 nd layer	
	Safegrip emulsion	gritting material	safegrip emulsion	gritting material
smooth, blasted	1,0 kg	6-8 kg using Basalt or equivalent red 2/6 size 2/5 mm	1,5 kg	8-12 kg/using Basalt or equivalent 2/5 mm
rough, grooved	1,4 kg	7-9 kg using Basalt or equivalent 4/8 mm	1,5 kg	8-12 kg using Basalt or equivalent 3/5 mm

**Note** When using similar heavy gritting materials, the quantity is approx. 20 - 25 % higher.

**Table II** Recommended combination of sizes of gritting materials

underlayer [mm]	toplayer [mm]
2 - 5	1 - 3 or 2 - 5
4 - 8	2 - 6

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.

Nov -2006



Hoogewaard 183 Postbus 6 2396 ZG Koudekerk aan den Rijn The Netherlands

Tel.+31(0) 71-341 91 08 Fax.+31(0)71-341 59 46

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