

Latexfalt[®] Parkdeck

Emulsion composition	Latexfalt Parkdeck Emulsion is a combination of modified bitumen emulsion and wear-resistant chippings, applied in two layers.	
Emulsion properties	emulsion type	: cationic
	binder content	: approx. 65 % [10% polymer]
	Viscosity 25°C ISO 4 mm	: 20 - 60 sec.
	density	: approx. 1000 kg/m ³
	particle size	: ave. < 5 micron
Binder properties after drying	softening point R&B	: > 60°C
	elasticity [ASTM D412]	20°C : > 2000%
		0°C : > 500%
		-10°C : > 100%
	adhesion [Vialit] at -20°C	: 90%
System properties	wear resistance [minifretting] with "Runkler Red" aggregate	
		20°C : 1,5%
		0°C : 1,5%] chipping loss
		-10°C : 1,9%]
	bonding strength at 10°C on asphalt, concrete, wood and steel	: > 1N/mm ²
	water vapour permeability DIN 52615:	approx. 1,5 g/m ² /day
	watertightness DIN 1048	: watertight
	shear stress at 20°C	: 0,26 N/mm ²
Uses	The elastic binder, combined with wear-resistant, chippings is applied in two layers:	
	<ul style="list-style-type: none"> - on concrete, asphalt and timber which requires protection against erosion and penetration by water and thaw salts. Examples include bridges, viaducts, tunnels. - as an anti-skid layer [with various chipping types] on ramps, loading bays, mooring jetties and [wooden] bridges. - making new and worn out concrete surfaces waterproof and dust free. 	
Application	<ul style="list-style-type: none"> - Pretreat the entire surface by steel ball, grit or water blasting or milling to remove all dirt, dust, grease, old coatings or loose particles. Highly absorbent subsurfaces must be moistened. Stir the Spectrasfalt Parkdeck emulsion well. - Then apply an initial layer of Spectrasfalt Parkdeck emulsion at the rate of approx. 1,5 kg/m², using either a mastic broom or a special Latexfalt sprayer-unit and sprinkle a layer of moistened chippings [4/8 or 2/6] of the appropriate type*] and colour into the wet emulsion at the rate of approx. 8 kg/m². - Lightly roll the surface. - Once the emulsion has cured completely, so that the chipping layer is held firmly in place, remove excess chippings. 	



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- Apply a second layer of Spectrasfalt Parkdeck at the rate of approx. 1,5 kg/m² and again sprinkle a layer of moistened chippings [2/6] of the appropriate type*] and colour into the wet emulsion, this time at the rate of approx. 12 kg/m².
- Roll the surface well.
- Once the emulsion has cured completely and the chipping layer is firmly seated, remove excess chippings.

Table I

Matching chipping sizes

lower layer [mm]	surface layer [mm]
2 - 6	1 - 3 or 2 - 5
4 - 8	2 - 6
8 - 12	4 - 8

Note

Spectrasfalt Parkdeck Emulsion cannot be applied with the pumps or sprayer units normally used in road construction. The rapidly breaking, highly modified emulsion will jam the pump, causing delays and possible even damaging the pumps.

Surfaces treated with Spectrasfalt Parkdeck can be taken into use once the system has bonded fully to the subsurface. In the summer months, during good drying weather, this will generally be within 24 hours. The drying time can increase considerable in spring and autumn.

*] See table II

Spectrasfalt Parkdeck can only be applied during drying weather, when the average 24-hour temperature is at least 10°C. Spectrasfalt Parkdeck can be applied without the need for special safety precautions. Spectrasfalt Parkdeck is tar-free and contains no solvents.

Table II

consumption in kg/m ²	1st layer		2nd layer	
	emulsion	chippings/sand	emulsion	chippings/sand
smooth, blast-cleaned	1,0	6 [for chipping size 1 mm e.g. filtersand]	1,0	6-8 [for chipping size 1 mm e.g. filtersand]
	1,2	6-8 [for chipping size 2-6 mm]	1,2	8-12 [for chipping size 2-6 mm]
rough, milled	1,4	7-9 [for chipping size 4-8 mm]	1,5	8-12 [for chipping size 2-6 mm]

Note

Where chippings with a higher than normal density are used, consumption will be 20-25% higher.

Packaging

bulk, or in 25 kg and 200 kg drums or 1000 kg containers



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Storage

Frost-free, in sealed packaging. Can be stored for a maximum of 3 months. Protect against drying out. Noticeable sedimentation may occur during long-term storage; thorough stirring will homogenise the material once more, however.

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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