CONIPUR Vmax Jogging Track

Full Pour, Full Depth Colour System – Water Impermeable

Fields of application jogging tracks **–** for comfortable and safe running performance

System data

		Product	Consumption	Application	Remarks
Primer	for asphalt:	no primer necessary	-	-	CONIPUR 4710 / CONIPUR 74 may only be used for prefabricated concrete parts or for concrete with a residual moisture of < 4%. Otherwise CONIPUR 3785 must be used
	for concrete:	**CONIPUR 4710** (CONIPUR 74)	0.20 kg/m²	airspray or roll	
Elastic Layer		**CONIPUR 2350**	2.8 kg/m²	pin squeegee	Depending on the porosity of the substrate, additional amount of product must be considered. Excess granules have to be calculated. The total quantity of granules needed for this layer is approximately 6 -7 kg/m²
		CONIPUR EPDM granules, 1.0 - 3.5 mm	3.5 kg/m² (net consumption)	broadcast	
		Important: in order to achieve the necessary layer thickness, it is absolutely necessary to broadcast at least 6 kg/m² of EPDM granules.			
Intermediate Layer		**CONIPUR 2375**	2.5 kg/m²	squeegee	Not broadcasted with granules
Wear Layer		**CONIPUR 2375**	1.5 kg/m²	notched squeegee	Including the excess granules, a total amount of approx. 3 kg/m² of EPDM granules must be calculated . *** The consumption and excess quantity is the same
		CONIPUR EPDM granules, 0.5 - 1.5 mm	1.5 – 2.0 kg/m² (net)	broadcast	
		For Depending on the climate conditions and the surface to be coated, it might be possible to reduce the excess quantity. For **CONIPUR Vmax FL** (flame retardant) CONIPUR 2375 **FL** and CONIPUR EPDM **FL** must be used in this layer, only then will the system achieve the fire classification Cfl-s1 ***. The coating and the granules contain flame retardants.			
Sealing Lacquer	optional	**CONIPUR 2200** (CONIPUR 2210)	0.30 kg/m²	spray (two coats)	CONIPUR 2210 with anti-skit properties

Total thickness of the system approximately 10 mm

Selected technical properties

		test of	result	requirement	remarks
	according to EN 14877	Resistance to wear (EN ISO 5470-1)	≤ 1.95 gr	max. 4 gr	Values taken out of the covering test reports of CONIPUR Vmax track surfacing system
	according to WA requirements	friction	≥ 0.5	≥ 0.5	
	according to EN 772	resistance to frost	fulfilled	mechanical properties	

Depending on the substrate, rubber source (particle size) and application conditions or in case of using alternative products, results vary.

Selected environmental data according to DIN V 18035-6

			Result	Requirement	Remarks
Environmental compatibility	EOX	24h	≤ 8 mg/kg OS	100 mg/kg OS	Values taken out of the covering test report of CONIPUR Vmax track surfacing system
	DOC		≤ 29 mg/l	≤ 50 mg/l	
	Heavy metals		conform		
	Smell		no smell		

Preparation

Base courses to be coated have to be firm, dry and free of loose and brittle particles and substances which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants

The bound base layer must fulfil the relevant standards with special reference to: flatness, gradients, thickness, load bearing capacity and water permeability.

The tensile strength of the subbase must be at least 1.0 N/mm^2.

The residual moisture of the subbase must not exceed 4 % (check with CM equipment), which corresponds to maximum 75 % relative humidity according to ASTM F 2170. If using the calcium chloride test, the maximum allowable vapour emissions is 4.0 lbs. as per ASTM F 1869.

The temperature of the base course must be at least 3 °C above the current dew point temperature.

The optimal temperature of the material before and during application is between 15 and 25 °C.

Application

For precast concrete parts such as curbs and drainage systems, CONIPUR 74 is applied preferably with a low-pressure airless device (for further information see product data sheet).

Allow the solvent to evaporate and the base course to become sticky, before applying the following layer. Depending on the prevailing humidity of the air, this is the case after about two hours.

Apply only primer in areas where the following layer will be installed within the next 12 hours. If the application of the base layer does not take place within the 12 hours period, a new coat of primer has to be applied in order to avoid poor adhesion.

CONIPUR 3785 must be used for fresh concrete surfaces such as shot put ring surrounds, net post foundations, pole vault entry boxes, take-off boards, etc.

CONIPUR 3785 is applied by rolling, or better with a rubber squeegee and by uniform rolling or brushing on the previously prepared substrate. Puddling or thick layers are to be avoided. For the first layer the consumption must be least 0.5 kg/m^2 - do not sand.

The second layer of CONIPUR 3785 must be applied after at least 12 hours, but no more than 48 hours. If this is not possible, the substrate must be pretreated again (sanding or shot blasting).

To ensure the adhesion of the following polyurethane-based layer, the 2nd layer of CONIPUR 3785 (consumption min. 0.35 kg/m^2) must be sprinkled with oven-dried quartz sand (grain size 0.3-0.8 mm). Unbound quartz sand must be removed after curing (see product data sheet for further information).

For water impermeable asphalt substrate no adhesion primer is needed.

Water permeable asphalt must be sealed so that not too much coating material runs off. Sealing is done with either CONIPUR 2400 or a mixture of CONIPUR 210 and EPDM powder.

Otherwise, the required total thickness of the track surface is not achieved. This also deteriorates the mechanical / sports functional properties.

Apply CONIPUR 2350 with a pin squeegee and broadcast with dry CONIPUR EPDM granules (grain size 1.5 – 3.5 mm) to excess before curing takes place. Remove the excess EPDM granules (re-use for broadcasted coatings possible) when the coating has cured.

For the intermediate layer apply CONIPUR 2375 with a smooth squeegee – do not broadcast with EPDM – consumption 2.5 kg/m^2.

Apply for the final layer CONIPUR 2375 (CONIPUR 2375 FL) and broadcast with CONIPUR EPDM (CONIPUR EPDM FL) granules (must be dry, grain size 0.5 - 1.5 mm) to excess before curing takes place. Remove the excess CONIPUR EPDM granules (re-use for broadcasted coatings possible) when the coating has cured.

Optionally, the surface can be sealed with pigmented CONIPUR 2200 or CONIPUR 2210 (slip-resistant).

Sealing improves UV resistance, extends the life time and simplifies maintenance (easier and, in the long term, more cost-effective cleaning).

The top coat is sprayed in two coats from opposite directions with an approximate consumption of total 0.30 kg/m^2.

Further information and application instructions are shown in the product data sheet.

Remarks

For application, conditions please see our *"General Application Guidelines for Sports Systems Indoor and Outdoor"*.

For further information, please refer to the technical data sheets of the products or contact our Technical Service.

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