CONIPUR 2LX+

Two Layer Full Pour System

Fields of application school sports

System data

		Product	Consumption	Application	Remarks
Primer	for asphalt	no primer necessary	-	-	CONIPUR 74 is used for pre-fabricated concrete parts, e.g. for curb stones and drainage systems. Otherwise, CONIPUR 3785 has to be used (please see Technical Data Sheet for details or consult our Technical Service).
	for concrete	**CONIPUR 74**	0.20 kg/m²	spray	
Coating	1st layer	**CONIPUR 2341**	2.0 kg/m²	notched squeegee	For track surfaces, a total amount of approx. 4.5 - 5 kg/m² SBR granules must be calculated incl. the excess quantity. For smaller surfaces, which are installed within one day, the excess quantity of SBR granules must be increased accordingly. For further assistance please contact our Technical Service.
		Recycled rubber granules, 1 - 4 mm	2.8 kg/m² net consumption	broadcast	
		Depending on the application method, the climatic conditions and the area installed, the excess amount can possibly be reduced			
Coating	wear layer	**CONIPUR 210**	3.0 kg/m²	notched squeegee	For track surfaces, a total amount of approx. 4.2 kg/m² EPDM granules must be calculated incl. the excess quantity. For smaller surfaces, which are installed within one day, the excess quantity of EPDM granules must be increased accordingly. For further assistance please contact our Technical Service.
		CONIPUR EPDM granules, 1 - 3.5 mm	2.8 kg/m² net consumption	Broadcast	
		Depending on the application method, the climatic conditions and the area installed, the excess amount can possibly be reduced			
Sealing Lacquer	optional	**CONIPUR 2200** (CONIPUR 2210)	0.30 kg/m²	spray (in 2 coats)	CONIPUR 2210 with anti-skid properties
Line paint		**CONIPUR 8150**	20-30 g/m	spray	

Total thickness of the system approx. 10 mm

Selected technical properties

		conditions	result	requirement	remarks
EN 14877	Force reduction	23 °C	29 %	35-50 %	Further test results see test report – available on request
	Permeability		impermeable		
	Tensile Properties	tensile strength elongation at break	0.5 N/mm² 43 %	≥ 0.5 N/mm² ≥ 40 %	

Depending on the substrate, craftsmanship and application conditions or in case of using alternative products, results will vary.

Preparation

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

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

The tear resistance of the concrete 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 substrate 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).

CONIPUR 3785 is used for fresh concrete surfaces such as ball joints, net posts, pole vault entry boxes, take-off beams, 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.

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).

Apply only primer in areas (concrete) where the following layer will be installed within the next 8 hours.If the application of the following layer does not take place within this period, a new coat of primer has to be applied in order to avoid poor adhesion.

Allow the solvent to evaporate and the base course to become sticky, before applying the following layer.

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 203 or a mixture of CONIPUR 210 and EPDM powder. These additional quantities must be calculated on top of the quantities needed for the track surfacing system.

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

Apply CONIPUR 2341 with a notched squeegee and broadcast with dry recycled rubber granules to excess before curing takes place. Grain size 1 - 4 mm.

Important The indicated consumption of CONIPUR 2341 and recycled granules must be kept – otherwise the necessary thickness of the layer is not reached and the required technical properties will not be met.

Excess granules may only be swept off after the coating material has hardened sufficiently to avoid mechanical damage to the surface. (The excess granules can be reused for granular surfaces).

Apply the 2nd layer using CONIPUR 210 and broadcast with dry CONIPUR EPDM rubber granules (grain size 1 - 3.5 mm) in excess before curing takes place. Remove the excess granules (which can be used again for granular surfaces) when the coating has cured (hardened).

We recommend applying pigmented CONIPUR 2200 or CONIPUR 2210 (anti-skid) as a top coat. Sealing extends life and simplifies maintenance (easier and more cost-effective cleaning in the long term).

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

Further information on installation and application conditions can be found in the *"General processing guidelines for indoor and outdoor sports systems".*

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