CONIPUR EM

Encapsulated Full Pour System

Fields of application Sports and athletic tracks

System data

		product	consumption	application	remarks
Primer	for asphalt:	no primer necessary	-	-	CONIPUR 74 peut être utilisé pour de surfaces préfabriqués par exemple pour les pierres de bordure et les systèmes de drainage qui sont préfabriqués. Autrement, CONIPUR 3785 doit être utilisé (s'il vous plaît voir la fiche technique pour plus de détails ou consulter notre service technique).
	for concrete:	**CONIPUR 74**	0.20 kg/m²	Spray	
Coating	1st layer	**CONIPUR 210** (CONIPUR 221)	2.5 kg/m²	notched squeegee	Depending on the porosity of the substrate, additional amount of product should be considered.
		Recycled rubber granules, 1-4 mm	2.5 kg/m²	broadcast	Net consumption. In order to broadcast the surface excess granules are needed.
	2nd layer	**CONIPUR 210** (CONIPUR 221)	2.5 kg/m²	notched squeegee	Net consumption. In total (1st and 2nd layer) approx. 6.00 kg/m² should be calculated incl. the excess quantity. Depending on the application method, the climate conditions and the area installed, the excess amount can possibly be reduced.
		Recycled rubber granules, 1-4 mm	2.5 kg/m²	broadcast	
	3rd layer	**CONIPUR 210** (CONIPUR 221)	2.5 kg/m²	notched squeegee	
Coating	Top layer	**CONIPUR 210** (CONIPUR 221)	1.4 kg/m² (1.5 kg/m²)	spray (in 2 coats)	Please pay attention to the CONICA recommendation on the rubber granule size. At low temperatures it may be possible to eliminate the rubber powder.
		CONIPUR EPDM granules, 0.5-1.5 mm	0.7 kg/m²		
		CONIPUR EPDM powder, 0.0-0.5 mm	0.015-0.03 kg/m²		
Sealing Lacquer		**CONIPUR 2200** (CONIPUR 2210)	0.25 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. 12 mm

Preparation

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

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 residual moisture of the concrete 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 on 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

If the substrate is concrete, apply primer CONIPUR 74 using airless spraying equipment or a paint roller.

Apply only as much primer as can be recoated within 8 hours.

Allow the solvent to evaporate and the sub base to become sticky. If recoating does not take place within the 8 hours period, a new coat of primer has to be applied in order to avoid poor adhesion.

For asphalt substrate no adhesion primer is needed.

Apply CONIPUR 210 with a notched squeegee and broadcast with black recycled rubber granules (must be dry) to excess before curing takes place.

Remove the excess rubber granules (which can be used again) when the coating has cured (hardened).

Repeat the procedure also for the second layer of CONIPUR 210.

Apply the third layer of CONIPUR 210 but do not broadcast any granules.

Thoroughly mix CONIPUR 210, the CONIPUR EPDM granules (must be dry) and the CONIPUR EPDM powder and transfer the mixed material into a spray machine, specifically designed for spraying this kind of mixture. Spray the mix onto the surface in two coats.

Seal the surface with pigmented CONIPUR 2200 (CONIPUR 2210), sprayed in 2 coats.

Remarks

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

For application conditions, the *"General Application Guidelines for Sports Systems Indoor and Outdoor"* apply.

A suitable spray machine can be purchased from SMG, Vöhringen/Germany.

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