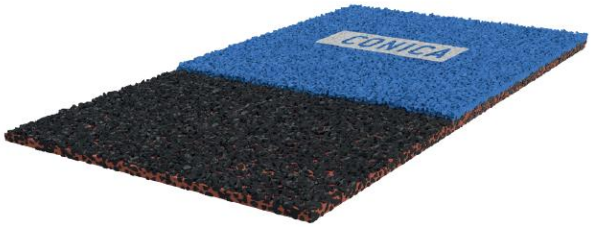
F-10



Two Layer Full Pour System
Surface: embedded or encapsulated EPDM granules

Fields of application school sports and athletic tracks

System data

		Product	Consumption	Application	Remarks
Primer	for asphalt:	no primer necessary	-	-	
	for concrete:	**CONIPUR 3780 USA**	0,6-1,0 kg/m²	rubber squeegee / roller	Applied in two layers – for the first layer 0,3-0,5 kg/m², for the second layer 0,3–0,5 kg/m² sprinkled with oven dried quartz sand
Coating	1st layer	**CONIPUR 210 USA**	3,0 kg/m²	notched squeegee	For track surfaces, a total amount of 5-6 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.
		Recycled rubber granules, 1,0-4,0 mm	2,5 kg/m²	broadcast	
	top layer	**CONIPUR 210 USA**	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.
		CONIPUR EPDM granules, 1,0-3,5 mm	2,8 kg/m²	broadcast	
Sealing lacquer	optional	**CONIPUR 2200 USA** (CONIPUR 2210 USA)	0,30 kg/m²	spray (in two coats)	
Line paint		**CONIPUR 8150 USA**	20-30 g/m	spray	

Total thickness of the system approx. 10 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 tear strength of the base course must be at least 1,0 N/mm^2. If this is not the case, the substrate has to be prepared by grit or shot blasting, high pressure water jetting, grinding or scabbing (incl. the post treatment).

The residual moisture 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

CONIPUR 3780 USA must be used for concrete surfaces with a residual moisture of no more than 4 %.

CONIPUR 3780 USA is applied by rolling, or better with a rubber squeegee and by uniform re-rolling or brushing on the previously prepared substrate. Puddling or thick layers are to be avoided.

For the first layer the consumption must be at least 0,3 kg/m^2 - do not sand.

The second layer of CONIPUR 3780 USA must be applied after at least 8 hours, but no more than 48 hours. If this is not possible, the substrate must be pre-treated again (sanding or shot blasting).

To ensure the adhesion of the following polyurethane-based layer, the 2nd layer of CONIPUR 3780 USA (consumption min. 0,3 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 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 either with CONIPUR 2400 USA (approx. 2,0–2,5 kg/m^2 depending on the porosity) or a mixture of CONIPUR 210 USA and EPDM powder.

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

Attention: the application of a pore sealer does **not** protect against rising humidity!

Apply CONIPUR 210 USA 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 when the coating has cured (re-use for broadcasted surfaces possible).

Apply the top layer of CONIPUR 210 USA and broadcast with coloured, dry CONIPUR EPDM granules grain size (1-3.5 mm) to excess before curing takes place.

Remove the excess CONIPUR EPDM granules (when the coating has cured (re-use for broadcasted surfaces possible).

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

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

The topcoat is sprayed in two coats from opposite directions with an approximate consumption of total 0,30 kg/m^2.

The track reaches its final hardness after 14 days under normal climatic conditions. It must not be used with spikes or subjected to mechanical loads before this time.

Remarks

Special discontinuous mixers such as MixMatic from SMG, Vöhringen / Germany are used for the on-site installation.

Further information on the application of the individual products can be found in the corresponding product data sheets.

For application, conditions please see our “General Application Guidelines for Sports Systems Indoor and Outdoor”

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