

# CONIPUR JIP comfort+

Impermeable Sandwich System for Jogging / Activity Tracks with In-Situ Elastic Layer

## Fields of application

Installation of jogging / activity surfaces, walkways

## System data

		Product	Consumption	Application	Remarks
Primer	on CONIPUR J base	no primer necessary (if re-coating interval of 48 hours is kept)			in case CONIPUR J base is installed (replacing the asphalt / concrete layer) please refer to the data sheet of CONIPUR J base.
	on asphalt	CONIPUR 70	0.15 kg/m <sup>2</sup>	spray / roll	
	on concrete	CONIPUR 4710 (CONIPUR 74)	0.20 kg/m <sup>2</sup>	airspray or roll	
		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			
Elastic layer		CONIPUR 326	1.4 kg/m <sup>2</sup>		
		Recycled rubber granules 1-4 mm	7.2 kg/m <sup>2</sup>	paver / trowel	
EPDM layer		CONIPUR 326	1.14 kg/m <sup>2</sup>		
		CONIPUR EPDM 0.5 – 1.5 mm	6.0 kg/m <sup>2</sup>	paver / trowel	
Pore Sealer	1 <sup>st</sup> layer	CONIPUR 210	0.9 kg/m <sup>2</sup>	rubber / metal wiper	Actual quantities needed vary according to surface of EPDM layer and climatic conditions
		Silica sand 0.0-0.12 mm	0.5 kg/m <sup>2</sup>		
		CONIPUR EPDM powder, 0.0-0.5 mm	0.05 kg/m <sup>2</sup>		
	as alternative one of our outdoor pore sealers can be used: CONIPUR 2400 with a consumption rate of approximately 0.8 kg/m <sup>2</sup>				
	2 <sup>nd</sup> layer	CONIPUR 210	0.9 kg/m <sup>2</sup>	rubber / metal wiper	Actual quantities needed vary according to surface of EPDM layer and climatic conditions
		Silica sand 0.0-0.12 mm	0.13 kg/m <sup>2</sup>		
CONIPUR EPDM powder, 0.0-0.5 mm		0.025 kg/m <sup>2</sup>			

Coating	top layer	<b>CONIPUR 210</b>	0.56 kg/m <sup>2</sup>	rubber / metal wiper, roller	using squeegee / scraper to spread the CONIPUR 210 and then roll it with short / medium pile roller to avoid squeegee marks.  Actual quantities needed vary according to surface of EPDM layer and climatic conditions
		<b>CONIPUR EPDM-powder</b> , 0.0-0.5 mm	0.008 kg/m <sup>2</sup>		
		<b>Silica sand</b> 0.3 mm	0.008 kg/m <sup>2</sup>		
Sealing lacquer		<b>CONIPUR 2200</b> (CONIPUR 2210)	0.30 kg/m <sup>2</sup>	spray / roller (two layers)	CONIPUR 2210 with anti-skid properties

**Total thickness of the system** approx. 11 + 6 + 1 mm (CONIPUR J base: 35 mm)

### Selected technical properties

		with CONIPUR J base	without CONIPUR J base	requirement	remarks
Internal test result	Force reduction	48%	39%	SA 35-44 EN 14877	values measured inhouse
	HIC test	90 cm	70 cm		

### 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<sup>2</sup>](#).

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

In case [CONIPUR J base](#) (replacing the asphalt substrate – see separate system data sheet) is installed, the coating can be done within 48 hours without applying an additional primer (35 mm – see separate data sheet). Should these 48 hours be exceeded CONIPUR 72 needs to be applied to ensure the adherence.

Apply CONIPUR 70 onto the pre-treated [asphalt](#) substrate using airless spraying equipment or a paint roller.

On [concrete](#) CONIPUR 4710 or CONIPUR 74 is used.

In case of a [higher residual moisture](#) up to 6 %, [CONIPUR 3785](#) must be used – please refer to the corresponding product data sheets.

Only as much surface may be primed as can be recoated within the recoating interval (see product data sheet for the primer used). If this period is exceeded, the primer must be reapplied, otherwise the adhesion will deteriorate.

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.

Mix the rubber granules with [CONIPUR 326](#) using a specially designed mixer. Apply the mixed material with a specially designed paver onto the primed surface.

Let the base layer cure (harden) so that foot traffic or equipment do not leave any indentations. The curing process depends on temperature and humidity.

The **maximum recoating interval** of the elastic base layer is **48 hours**. In case the EPDM layer be installed after this interval, the surface has to be primed with CONIPUR 72.

If the surface is **soiled** (dust, sand), the surface must be cleaned and CONIPUR 72 must be applied after it has dried completely. The CONIPUR 72 primer must also be used after **rain**.

After curing the EPDM layer is installed by mixing **CONIPUR 326** with EPDM granules 0.5-1.5 mm and applying the mixture either by paver or manually.

Let the layer cure (harden) so that foot traffic or equipment do not leave any indentations. The curing process depends on temperature and humidity.

Once this layer has cured, the pores are closed by mixing **CONIPUR 210** (see product data sheet), pouring the mix into another clean pail, adding the silica sand 0-0.12 mm and the CONIPUR EPDM powder, applying the homogeneous mixture in a thin layer. This process is repeated for the second coat (quantities see system data).

After curing, the second layer is applied.

After curing, **CONIPUR 210** is mixed (as before), **dry** CONIPUR EPDM powder and silica sand (grain size 0.3 mm) is added. The mix is applied by hand.

The surface is 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<sup>2</sup>**.

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.

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

Suitable machinery for installing the in situ base layer and for spraying is e.g. PlanoMatic, MixMatic and StructurMatic from SMG, Vöhringen/Germany.