

CONIPUR RS

Indoor Roller and Inline Skating System

Fields of application

indoor surfaces for roller and inline skating

System data

		Product	Consumption	Application	Remarks
Primer	For concrete:	CONIPUR 3785	0.2-0.5 kg/m ²	Squeegee	The consumption of CONIPUR 3785 depends on the condition and porosity of the substrate. It can even be higher on very rough or porous substrates. As described below, a mixture of CONIPUR 3785 and silica sand can be used to level up to 1mm of unevenness. The quantity needed for this purposes is not included in the usage stated. For other substrates than concrete, please contact our Technical Service.
		Silica sand, 0.3 - 0.8 mm, oven dried	0.8-1.0 kg/m ²	Broadcast	
Coating	Intermediate layer	CONIPUR 248	0.5 kg/m ²	Notched squeegee	This step is necessary in order to avoid open pores in the primer layer, which could give rise to bubbles in the final coating layer.
		Silica sand, 0.1 - 0.3 mm, oven dried	0.15 kg/m ²		
Coating	Top layer	CONIPUR 248	1.5 kg/m ²	Notched squeegee	
Sealing lacquer		CONIPUR 67	0.30 kg/m ²	Paint roller (in 2 coats)	Critical colours regarding coverage must be applied repeatedly until opacity is achieved - Critical colours regarding staining must be fixed with a transparent sealing lacquer.
Line Paint		CONIPUR 3100	15 g/m	Paint roller (paint-brush)	Critical colours regarding coverage must be applied twice.

Total thickness of the system

2 mm

Preparation

All cementitious substrates (normally **concrete**) must be structurally sound, dry and free of laitance and loose particles. **Clean** floors of oil, grease, rubber skid marks, paint stains and other adhesion impairing contaminants.

Mechanical surface profiling by grit or shot blasting, high-pressure water jetting, grinding or scavelling (including the necessary post-treatment) are the preferred floor preparation methods.

After surface preparation, the **tensile strength** of the substrate should exceed **1.5 N/mm²** (check with an approved pull-off tester at a load rate of 100 N/s).

A concrete sub base must contain a moisture barrier (damp proof membrane D.P.M.). 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**.

The concrete must have an even and regular surface in order to achieve an even and regular surface of the system.

Application

The consumption of CONIPUR 3785 is between 0.3 - 0.5 kg/m² depending on the condition and porosity of the substrate.

Oven dried sand 0.3 - 0.8 mm should be broadcasted at approximately 1.0 kg/m² into primer whilst still wet. Broadcasting in **excess** should be avoided.

The above consumption figures are intended as a guide only and may be higher on very rough or porous substrates.

In order to **level** surface **roughness** until 1 mm depth two parts of CONIPUR 3785 and one part of oven-dried sand (0.1 - 0.3 mm) can be mixed and applied with a rubber squeegee.

Oven dried sand 0.3 - 0.8 mm should be broadcasted whilst still **wet** covering the complete surface.

Please note that the CONIPUR 3785 needed for levelling surface roughness is **not** included in the above given consumption rate.

For levelling surface roughness deeper than 1 mm, please contact CONICA.

Clean the surface carefully from unbound sand.

Mix CONIPUR 248 in the ratio of 1 : 0.3 (by weight) with oven dried sand (0.1-0.3 mm) and apply approximately 0.65 kg/m² of the mixture using a squeegee.

After curing apply 1.5 kg/m² of CONIPUR 248 (without addition of oven dried sand) with a notched trowel or squeegee.

Seal the surface with CONIPUR 67 by using micro fibre rollers, **rolling out well** to eliminate roller marks. **Repeat** the procedure once again in order to increase the durability.

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.