

CONIPUR PG Impermeable Retopping – for Water Impermeable Surfaces

Water Impermeable Refurbishing System for Worn, Water Impermeable Playground Surfaces

Fields of application retopping of water impermeable, worn playground EPDM surfaces with an water impermeable EPDM layer

System data

		product	consumption	application	remarks
Primer		CONIPUR 72	0.1-0.2 kg/m ²	spray	
		CONIPUR 2400 (CONIPUR 203)	1.0 – 1.4 kg/m ² 1.4 - 1,8 kg/m ²	rubber / metal wiper	Depending on the condition of the existing playground the consumption of pore sealer can vary and in some cases even exceed the given values. In order to minimize consumption, EPDM powder can be added.
Pore sealer		As alternative, CONIPUR 210 can be used in combination with EPDM powder. The powder must be checked for compatibility before use. Mixing ratio PUR : EPDM powder approx. 65 : 35 – depending on the quality of the EPDM powder and the temperatures EPDM powder can be added up to a ratio of 70 : 30 PUR : EPDM powder.			
Coating	Top layer	CONIPUR 210	1.8 kg/m ² for 2 mm, 2.2 kg/m ² for 3 mm	notched squeegee	Estimation for the net consumption. Incl. excess minimum 4.2 kg/m ² must be calculated. The exact consumption of EPDM depends on the condition of the surface to be re-topped. The excess granules can be re-used for broadcasted surfaces.
		CONIPUR EPDM granules, 1-3.5 mm	2.3 kg/m ² for 2 mm, 2.8 kg/m ² for 3 mm	broadcast	
Top Coat	optional	CONIPUR 2210 AB or CONIPUR 2210	0.3 kg/m ²	spray (in two coats)	The application of a top coat improves the slip resistance, the UV-resistance and facilitates the maintenance
		CONIPUR 2210 AB reduces the risk of germs being carried over the floor and provide no breeding ground for microorganisms.			

Total thickness of the system approx. $x + 2 - 3$ mm, x = thickness of existing playground surface

Please note that the thickness of the playground surface is **increased** by approx. **2 - 3 mm**. Therefore, there may be a need for some changes in the edge detail.

As HIC values largely depend on the status of the existing playground and the installation, neither values nor test certificates can be given here.

As your partner **CONICA offers** you **HIC measurements** of your samples in our laboratory. Please contact your responsible sales manager or our Technical Service.

Preparation

Sports surfaces to be re-topped must be firm and free of loose and brittle particles and substances, which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants.

In addition, the subbase must fulfil the relevant standards with special reference to flatness, gradients, thickness, water permeability and load bearing capacity.

Prior to the re-topping, the surface has to be prepared by [high pressure water washing](#). All the loose particles and dirt have to be removed and the surface left to dry completely.

The [temperature](#) of the [surface](#) to be re-topped must be at least [3 °C](#) above the current dew point temperature.

The [temperature](#) of the [products](#) before and during application is ideally between [15](#) and [25 °C](#).

Note: Prior to the retopping, there might be a need for [repairs](#). In some areas it may be necessary to renew the entire surfacing system. The [quantities needed](#) must be calculated [additionally](#).

Application

Spray a thin film of primer [CONIPUR 72](#) using an airless spray equipment. Apply only as much primer as can be [re-coated within 8 hours](#). Allow the solvent to evaporate and the sub base to become sticky.

If re-coating does not take place within 8 hours a new coat of primer has to be applied in order to avoid poor adhesion.

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](#).

Close the pores with [CONIPUR 2400](#) or [CONIPUR 203](#) (see product data sheets) by using a rubber or metal wiper or a specially equipped paving machine.

If the pore-sealed surface was exposed to rain, if it was [wet](#) or if the recoating [interval](#) of 24 hours was [exceeded](#), an [adhesion test](#) must be carried out or primer [CONIPUR 72](#) (approx. 50 - 80 g/m²) must be applied to ensure the adhesion of the following layer.

After curing, apply [CONIPUR 210](#) onto the pre-treated surface with a notched squeegee and broadcast with [CONIPUR EPDM granules](#) (must be [dry](#)) to excess before curing takes place. The grain size is 1 - 3.5 mm.

Remove the excess EPDM granules (which can be re-used for broadcasted surfaces) when the coating has cured (hardened).

We recommend applying [CONIPUR 2210 AB](#) or [CONIPUR 2210](#) as [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 total consumption of [0.30 kg/m²](#).

Further information and application instructions are shown in the product data sheet.

Remarks

The information given above is based on our experiences.

Depending on the surface conditions extra [preparations](#), like e.g. grinding, may be necessary.

[Preliminary tests](#) must be carried out before doing any kind of retopping.

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”*.