

# CONIPUR Retop

## Re-Topping of Tracks

### Fields of application

re-topping of existing full PU, sandwich, spray coating or pre-fabricated track surfacing systems

### Water Impermeable System Built up – 4 - 8 mm thickness

		Product	Consumption	Application	Remarks
Primer		<b>CONIPUR 72</b>	≤ 0.08 kg/m <sup>2</sup>	spray	
		The <b>whole track</b> needs to be <b>examined</b> for damages which need to be <b>repaired</b> before starting the re-topping. In some cases it might be necessary to grind the whole track. In any case the track has to be <b>cleaned</b> with high-pressure water jets and left to dry completely. Pre-tests may indicate that there is no need for a primer.			
Coating	single-layer retop	<b>CONIPUR 210</b>	2.5-3.0 kg/m <sup>2</sup>	notched squeegee	Including excess <b>at least 4.4 kg/m<sup>2</sup></b> EPDM granules should be calculated. The exact consumption of CONIPUR EPDM depends on the condition of the surface to be re-topped
		<b>CONIPUR EPDM granules, 1-3.5 mm</b>	≥ 3.0 kg/m <sup>2</sup> (net consumption)	broadcast	
	<b>Or</b> – in case the force reduction of the existing track surface is too low				
	two-layer retop	<b>first layer</b>			
		<b>CONIPUR 2350</b>	1.5-3.0 kg/m <sup>2</sup>	notched squeegee	Including excess <b>at least 4.4 kg/m<sup>2</sup></b> granules should be calculated. The exact consumption of granules depends on the condition of the surface to be re-topped.
	<b>SBR granules 1–4 mm</b>	≥ 3.0 kg/m <sup>2</sup> (net consumption)	broadcast		
	<b>CONIPUR EPDM granules, 1-3.5 mm</b>				
	<b>second layer</b>				
		<b>CONIPUR 210</b>	2.5-3.0 kg/m <sup>2</sup>	notched squeegee	Including excess <b>at least 4.4 kg/m<sup>2</sup></b> EPDM granules should be calculated.
		<b>CONIPUR EPDM granules, 1-3.5 mm</b>	≥ 3.0 kg/m <sup>2</sup> (net consumption)	broadcast	
Sealing Lacquer	optional	<b>CONIPUR 2200 (CONIPUR 2210)</b>	0.30 kg/m <sup>2</sup>	spray (two coats)	CONIPUR 2210 with slip resistant properties
Line paint		<b>CONIPUR 8150</b>	20-30 g/m	spray	

**Water Permeable System Built up – approximately 2 mm**

		Product	Consumption	Application	Remarks
Primer		<b>CONIPUR 72</b>	≤ 0.08 kg/m <sup>2</sup>	spray	The <b>whole track</b> needs to be <b>examined</b> for damages which need to be <b>repaired</b> before starting the re-topping. In some cases it might be necessary to grind the whole track. In any case the track has to be <b>cleaned</b> with high-pressure water jets and left to dry completely. Pre-tests may indicate that there is no need for a primer.
Spray Coating	2 mm <b>solvent free</b> coating (1 component)	<b>CONIPUR 2640</b> <b>CONIPUR EPDM</b> granules, 0.5-1.5 mm	1.2 kg/m <sup>2</sup> 0.8 kg/m <sup>2</sup>	spray (two coats)	When using the solvent free CONIPUR 2640, EPDM <b>powder</b> is normally <b>not</b> necessary  The mixing ratio of spray coating and 0.5-1.5 mm CONIPUR EPDM must be 3 : 2. Depending on the status of the existing track surface the quantity of the mix must be increased. For further support please contact our Technical Service.
	2 mm standard coating	<b>CONIPUR 217</b> (CONIPUR 216/322) <b>CONIPUR EPDM</b> granules, 0.5-1.5 mm <b>CONIPUR EPDM</b> powder, 0.0-0.5 mm	1.2 kg/m <sup>2</sup> (0.4/0.8 kg/m <sup>2</sup> ) 0.8 kg/m <sup>2</sup> 0.05 kg/m <sup>2</sup>	spray (two coats)	At low temperatures it may be possible to omit the rubber powder.  The mixing ratio of spray coating and 0.5-1.5 mm CONIPUR EPDM must be 3 : 2. Depending on the status of the existing track surface the quantity of the mix must be increased. For further support please contact our Technical Service.
Sealing Lacquer		<b>CONIPUR 2200</b> (CONIPUR 2210)	0.25-0.30 kg/m <sup>2</sup>	spray (two coats)	For the retopping of water <b>impermeable</b> surfaces the application of a sealing lacquer is <b>necessary</b> .  CONIPUR 2210 with anti-skid properties.
Line paint		<b>CONIPUR 8150</b>	20-30 g/m	spray	

We will be glad to **support** you by **measuring samples** of the existing surface and suggest a suitable refurbishment. On request, one of our technicians can also inspect the track surface.

Depending on the **state** of the existing surface, it may be possible that a **different procedure** is necessary or **sport-functional requirements** cannot be achieved despite a refurbishment.

## Preparation

The surface to be re-topped must fulfil the [relevant standards](#) with special reference to: flatness, gradients, thickness and load bearing capacity.

Surfaces to be re-topped must be firm and free of loose and brittle particles and substances which impair adhesion.

The gradients as well as the [drainage](#) as well as the [surface drainage](#) have to be checked and – if necessary – repaired.

In case an [WA](#) classification is planned, please make sure, that the relevant [requirements](#) are met.

**Note:** Prior to the re-topping, necessary [repairs](#) have to be done.

It is most likely that the [abrasion](#) may be different in the high use areas. These areas may require [special treatment](#) in order to blend with the new surface. In some areas it may be necessary to [renew](#) the entire surfacing system partially.

In addition, the whole track needs to be checked for possible [local separations](#) which either have to be fixed again with PU glue or – if necessary – cut out and re-filled.

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

**Preliminary tests** are [mandatory](#) before the Retop is started. If needed, [we offer](#) to test samples of the existing track surface and send our proposal for Retop.

The [temperature](#) on the [surface](#) to be re-topped 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

Spray a [thin film](#) of primer CONIPUR 72 (max. 0.08 kg/m<sup>2</sup>) using airless spray equipment.

Apply only as much primer as can be [re-coated within 12 hours](#). If the recoating interval is exceeded, a new layer of primer needs to be applied to ensure the adherence of the following layers.

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.

## Water Impermeable Retop

For a [one-layer retop](#) apply [CONIPUR 210](#) on the pre-treated sports surface with a notched squeegee and broadcast with CONIPUR EPDM granules (must be [dry](#), grain size 1 - 3.5 mm) to [excess](#) before curing takes place.

Remove the excess CONIPUR EPDM granules when the coating has cured. These granules can be re-used for broadcasted surfaces.

For a [two-layer retop](#) apply [CONIPUR 2350](#) onto the pre-treated sports surface with a notched squeegee and broadcast with CONIPUR EPDM granules (must be [dry](#), grain size 1 - 3.5 mm) to [excess](#) before curing takes place. As alternative, SBR granules (1 – 4 mm) may be used.

Remove the excess granules when the coating has cured. These granules can be re-used for broadcasted surfaces.

After curing, the second layer with [CONIPUR 210](#) is applied – application the same as before.

Optionally, the surface can be 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>](#).

## Water Permeable System Built up

Pre-mix [CONIPUR 2640](#), weigh out the necessary quantity, add CONIPUR EPDM granules (grain size 0.5 – 1.5 mm), mix until homogenous and fill the mixed material into a [spray machine](#), specifically designed for spraying this kind of mixture. Spray the mix onto the surface in [two coats](#) from [opposite directions](#) to obtain the specified coverage rate.

The preparation and application when using CONIPUR 217 (or CONIPUR 216/322) is the same, only CONIPUR EPDM powder is added to increase the viscosity.

[Seal](#) the surface with [CONIPUR 2200](#) or CONIPUR 2210 (anti-skid).

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>](#).

## Remarks

The information given above is based on our experiences. Depending on the [surface conditions](#) extra preparations, like e.g. grinding or milling, may be necessary.

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

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

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

Suitable spray machines are for example StructureMatik from SMG, Vöhringen / Germany, Spray Force, Fresno/California (USA) and Putzmeister, Germany.