CONIPUR Retop

Re-Topping of Tracks

Fields of application re-topping of existing full PU, sandwich or pre-fabricated track systems

Impermeable System Built up – approximately 4 mm

		product	consumption	application	remarks
Primer		**CONIPUR 72**	≤ 0.08 kg/m²	spray	The whole track needs to be examined for damages which need to be repaired 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 cleaned with high-pressure water jets and left to dry completely.
Coating	Top layer	**CONIPUR 210**	2.5-3.0 kg/m²	notched squeegee	Including excess minimum 4.4 kg/m² should be calculated. The exact consumption of CONIPUR EPDM depends on the condition of the surface to be re-topped.
		CONIPUR EPDM granules, 1-3.5 mm	≥ 3.0 kg/m² net consumption	broadcast	
Sealing Lacquer	optional	**CONIPUR 2200** (CONIPUR 2210)	0.30 kg/m²	spray (in 2 coats)	CONIPUR 2210 with anti-skid properties
Line paint		**CONIPUR 8150**	20-30 g/m	spray	

Selected technical properties

		conditions	result	requirement	remarks
IAAF Specification	Force reduction	10 °C 23 °C 40 °C	41 % 43 % 44 %	35-50 %	Data taken from the test report according to IAAF requirements
	Modified vertical deformation	10 °C 23 °C 40 °C	2.2 mm 2.4 mm 2.5 mm	0.6-2.5 mm	
	Friction (sliding coefficient)	wet, leather sole	51	≥ 47 (TRRL method)	
	Permeability		impermeable		
	Tensile Properties	tensile strength elongation at break	0.93 N/mm² 93 %	≥ 0.5 N/mm² ≥ 40 %	

Depending on the substrate, rubber source and application conditions or in case of using alternative products, results may vary.

Permeable System Built up – approximately 3 mm

		product	consumption	application	remarks
Primer		**CONIPUR 72**	≤ 0.08 kg/m²	spray	Pre-tests may indicate that there is no need for a primer.
Spray Coating		**CONIPUR 216 / 322** (CONIPUR 217)	0.84-1.08 kg/m²		This corresponds to a total consumption (without EPDM powder) of 1.4-1.8 kg/m² depending on how worn the track is.
		CONIPUR EPDM granules, 0.5-1.5 mm	0.56-0.72 kg/m²	spray (in 2 coats)	The mixing ratio of spray coating and 0.5-1.5 mm CONIPUR EPDM must be 6:4.
		CONIPUR EPDM powder, 0.0-0.5 mm	0.035-0.045 kg/m²		Please pay attention to the CONICA recommendation on the rubber granule size.
					At low temperatures it may be possible to omit the rubber powder.
Sealing Lacquer	optional	**CONIPUR 2200** (CONIPUR 2210)	0.25-0.30 kg/m²	spray (in 2 coats)	In case of sensitive colours (e.g. blue, grey), it is necessary to seal the surface with coloured CONIPUR 2200 or CONIPUR 2210 in order to increase the colour stability. For the retopping of impermeable surfaces the application of a sealing lacquer is highly recommended. CONIPUR 2210 with anti-skid properties
Line paint		**CONIPUR 8150**	20-30 g/m	spray	

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

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 have to be checked and – if necessary – repaired.

In case an IAAF 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.

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 can offer to test samples of the existing floor 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/m²) using 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 the 8 hours period a new coat of primer has to be applied in order to avoid poor adhesion.

Impermeable System Built up

Apply CONIPUR 210 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. Remove the excess CONIPUR EPDM granules when the coating has cured.

The surface can be sealed with pigmented CONIPUR 2200 or CONIPUR 2210, sprayed in 2 coats from opposite directions.

Permeable System Built up

Thoroughly mix CONIPUR 216 (consists of 1 part per weight of CONIPUR 216 A component and 2 parts of CONIPUR 322; please refer to the Technical Data Sheet), the CONIPUR EPDM granules (must be dry) and the CONIPUR EPDM powder and transfer the mixed material into a spray machine, specifically designed for spraying this kind of mixture.

Spray the mix onto the surface in two coats. Avoid puddles, especially for the re-topping of impermeable surfaces.

The surface can be sealed with pigmented CONIPUR 2200 or CONIPUR 2210, sprayed in 2 coats.

For re-topping of impermeable surfaces the application of CONIPUR 2200 or CONIPUR 2210 is highly recommended.

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 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"*.

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