


CONIPUR HG *pure*

Low Emission Point Elastic Indoor Sports Surfacing System
IHF, BWF and FIBA Approved

Fields of application

multipurpose sports halls, school sports

System data

		Product	Consumption	Application	Remarks
Primer	for asphalt	no primer necessary	-	-	In case of concrete moisture > 4 % (e.g. early age concrete), CONIPUR 3785 must be used as a primer. A surface preparation by light blasting or grinding surface removal (incl. the necessary post-treatment) is usually required
	for concrete	CONIPUR 3710 (CONIPUR 73)	0.50 kg/m ² (0.20 kg/m ²)	rubber squeegee, paint roller	
Elastic Layer		CONIPUR 111 prefabricated rubber granule mat	0.80 kg/m ²	notched squeegee	The mat type must be approved by CONICA.
Pore sealer	1 st layer	CONIPUR 220 Details can be found in the Technical Manual as "Installation of a Reinforcing Fabric" or contact our Technical Service.	0.60 kg/m ²	straight edged trowel	When using elastic mats ≥ 10 mm, or in multi-purpose use plan of the sports hall flooring, an additional reinforcement fabric must be used which is embedded with CONIPUR 220 FL . The application in two layers is necessary in order to cover the reinforcing fabric, however primarily to avoid open pores in the elastic layer which could give rise to bubbles in the final coating layer.
	2 nd layer	CONIPUR 220	0.3 - 0.4 kg/m ²	straight edged trowel	
Coating	wear layer	CONIPUR 224 (N1)	2.6 kg/m ² = 2mm 3.9 kg/m ² = 3mm thickness	notched squeegee	
Sealing lacquer		CONIPUR 3202 W CONIPUR 3210 W CONIPUR 3202 W AB CONIPUR 3210 W AB 	0.13 - 0.15 kg/m ²	paint roller	Critical colours regarding coverage must be applied repeatedly until opacity is achieved - Critical colours regarding staining must be fixed with a transparent sealing lacquer. CONIPUR 3210 W with even lower emission.
Line Paint		CONIPUR 3100	15 g/m	paint roller / paint-brush	Critical colours regarding coverage must be applied twice.

Total thickness of the system

$x + 2$ mm, x = thickness of the elastic layer
 $x \geq 10$ mm **only** with reinforcement fabric and CONIPUR 224 (N1)

Selected technical properties

		Thickness in mm	Result	Requirement	Remarks
EN 14904	Shock absorption	9 + 2 11 + 2 14 + 3	27 % (P1) 34 % (P1) 49 % (P3)	25 -75 %	Data taken from EN test reports. Elastic layer as specified in test report. For use of other elastic layers please consult our Technical Service.
	Standard deformation	9 + 2 11 + 2 14 + 3	1.1 mm 1.5 mm 3.0 mm	≤ 5 mm	
	Rolling load	All thicknesses	1500	1500	
	Impact resistance at 10 °C	9 + 2 11 + 2 14 + 3	≥ 8 Nm ≥ 8 Nm 16 Nm	≥ 8 Nm	
	Residual impression	9 + 2 11 + 2 14 + 3	0.20 mm 0.11 mm 0.49 mm	≤ 0.5 mm	
	Ball rebound	All thicknesses	96-99 %	≥ 90 %	
	Sliding properties	All thicknesses	88-102	80-110	

Test reports can be downloaded from our website or requested from the sales representative responsible for you.

All technical data have been taken from test reports and refer to the main products. The values vary depending on the substrate and application conditions, as well as when using alternative products.

test reports / certificates available

emission / VOC / M1



CONIPUR HG pure
9+2 mm und 14+3 mm



Declaration of Performance



Preparation

Substrates to be coated have to be firm, dry and load bearing, free of loose and brittle particles and substances which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants.

The bond strength of the substrate must be at least 1.0 N/mm².

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 %.

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.

Concerning the flatness of the subfloor, we refer to the DIN 18202, 2005-10 Table 3, line 4 before the application of CONIPUR 224 (N1).

Application

Apply primer [CONIPUR 3710](#) or CONIPUR 73 on the pre-treated [concrete](#) substrate (in case of asphalt no bonding primer is needed) using a paint roller or elastic squeegee. After waiting for at least 10 minutes finish with a roller.

For [porous](#) substrates, the primer has to be applied in [two coats](#).

Apply adhesive [CONIPUR 111](#) with a notched trowel onto the primed surface and embed the pre-cut rubber mat in the fresh CONIPUR 111.

The lengths of the mat are held in place by using weights, paying particular attention to the joints. It is very important that there are no open joints.

Roll over the surface after 30 - 60 minutes (depending on the temperature) using a 50 kg roller. The weights are left on the mat until the adhesive has fully cured (normally overnight).

Seal the pores of the elastic layer by applying [CONIPUR 220](#), using a straight edged trowel or a squeegee.

In order to ensure a 100 % seal of the elastic layer apply a [second layer](#) of approx. 0.3 kg/m² CONIPUR 220 onto the sealed surface, using a notched trowel or straight edge trowel or squeegee.

After overnight cure [CONIPUR 224 \(N1\)](#) is applied using a notched trowel or squeegee.

Seal the surface with [CONIPUR 3202 W](#) or CONIPUR 3210 W (or the AB alternatives) using micro fibre roller (tuft size 10 – 12 mm), rolling out well to eliminate roller marks. Keep the overlap areas to a minimum.

Keep the [overlap areas](#) to a [minimum](#).

It is necessary to [re-roll](#) freshly applied material with a second clean paint roller in order to obtain a uniform surface with a minimum of overlap marks.

The sports floor reaches its [final hardness](#) after [7 days](#) and must not be mechanically stressed before.

Remarks

When using [elastic mats](#) with a layer thickness of more than [10 mm](#), or in [multi-purpose use](#) plan of the sports hall flooring, an additional [reinforcement fabric](#) must be used. Details can be found in the Technical Manual as "[Processing Guidelines](#)".

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](#)".



CE-Label:
see Declaration of Performance