


CONIPUR HG *pure* – Full PUR

Low Emission Point Elastic Indoor Sports Surfacing System with Liquid Foam Mat as Elastic Layer - IHF, BWF and FIBA Approved

Fields of application multipurpose sports halls, school sports

System data

		Product	Consumption	Application	Remarks
Primer	for concrete	CONIPUR 3710	0.5 kg/m ²	rubber squeegee	A surface preparation by blasting or grinding surface removal (incl. the necessary post-treatment) is usually required. For further information please contact our Technical Service.
		CONIPUR 3785 is used as a primer in case of a residual moisture > 4 % , in cases of earth-contacting areas without vapour barrier or when the concrete is very porous			
Elastic layer		CONIPUR 3335	3.0 kg/m ² for a 4mm layer	pin squeegee	This corresponds to a consumption of 0.75 kg/m ² – accordingly the consumption for 6 mm will be approx. 4.5 kg/m ² and for 7mm approx. 5.25 kg/m ² etc. up to a layer of maximum 10 mm.
<p>Mix the product with a double head stirrer – for large surfaces two agitating tools must be used to ensure a smooth installation.</p> <p>After curing, CONIPUR 224 (N1) can be applied directly.</p> <p>In the case of extendable stands, reinforcement must be installed in the area of the rollers.</p>					
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	<p>Critical colours regarding coverage must be applied repeatedly until opacity is achieved - Critical colours regarding staining must be fixed with a transparent sealing lacquer.</p> <p>CONIPUR 3210 W with even lower emission.</p>
 <p>The alternative top coats reduce the spread of germs over the floor and do not provide a breeding ground for microorganisms.</p>					
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 = **max. 10 mm** for CONIPUR 3335

Selected technical properties

		Thickness in mm	Result	Requirement	Remarks
in accordance with EN 14904	Shock absorption	6 + 2	26% (P1)	25 -75 %	Results from internal tests
	Standard deformation	6 + 2	0.5 mm	≤ 5 mm	
	Rolling load	6 + 2	1500	≥ 1500	
	Ball Rebound	6 + 2	99%	> 90%	
	Abrasion	6 + 2	20 mg	max. 80 mg (sealing lacquer)	
	Sliding properties	6 + 2	95	80-100	
	Impact resistance	6 + 2	19	≥ 8	
	Residual impression	6 + 2	0.1 mm	≤ 0.5 mm	

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



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 preparation is done by shot blasting or grinding and vacuuming.

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.

With regard to the flatness of the subfloor, we refer to the DIN 18202, 2005-10 Table 3, line 4.

Application

CONIPUR 3710 is applied on the prepared concrete with a rubber squeegee.

In case of a residual moisture > 4 %, in cases of earth-contacting areas without vapour barrier or when the concrete is very porous

CONIPUR 3785 must be used as primer. CONIPUR 3785 is an epoxy based primer, which has to be applied in two coats.

Only the second layer has to be **broadcasted** (defined) with approximately 1.0 kg/m² oven-dried quartz sand while still wet. Excess must be avoided - non-bonded quartz sand must be removed after curing. Further information in the product data sheet of CONIPUR 3785.

Grandstand reinforcement

Reinforcement is required in the area of the rollers of an extendable grandstand. For this purpose, a rubber mat as thick as the elastic layer (CONIPUR 3335) is glued after the **primer** has been applied.

The **quantities** of CONIPUR 111 adhesive and the rubber mat required for this must be calculated in addition.

CONIPUR 3335 is applied to the remaining substrate with a **pin squeegee**. The consumption is about 0.75 kg/m² per mm of layer thickness. Accordingly, for 4 mm approx. 3.0kg/ m² are required, for 6mm 4.5 kg/m² etc.

The pin squeegee should be set **1-2mm higher** than the desired layer.



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

The over-coating interval of 72 hours must not be exceeded. CONIPUR 3335 **can not be ground**, else the surface will be destroyed. Small **failures** need to be cut and pore sealed with CONIPUR 220.

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

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