

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
		CONIPUR 3710	0.5 kg/m²	rubber squeegee	A surface preparation by blasting or grinding surface removal (incl.
Primer	for concrete	CONIPUR 3785 is used as a primer in case of a residual moisture > 4 %, in cases of earth-contacting areas without vapour barrier or concrete is very porous		the necessary post-treatment) is usually required. For further information please contact our Technical Service.	
		In case of unevenness ≥ 0. 112 is used, broadcasting of			
layer		CONIPUR 3335	3.0 kg/m² for a 4mm layer	pin squeegee	This corresponds to a consumption of 0.75 kg/m² – accordingly the consumption for 6mm will
Elastic layer		To mix the product a do for large surfaces two ag		be approx. 4.5 kg/m ² and for 7mm approx. 5.25 kg/m ² etc. up to a layer of maximal 10 mm.	
		a smooth installation			After curing, CONIPUR 224 (N) can be applied directly.
Coating	Top layer	CONIPUR 224 (N)	2.6 kg/m² = 2mm 3.9 kg/m² = 3mm thickness	notched squeegee	
Sealing lacquer		CONIPUR 3202 W	0.13 - 0.15 kg/m²	Paint roller	Critical colours regarding coverage must be applied repeatedly until opacity is
Sealing		max. tuffected 80% max. from freezing humidity		§	achieved - Critical colours regarding staining must be fixed with a transparent sealing lacquer.
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



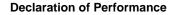
Selected technical properties

		Thickness in mm (elastic layer + coating)	Result	Requirement	Remarks
	Shock absorption	6 + 2	26% (P1)	25 -75 %	
4	Standard deformation	6 + 2	0.5 mm	≤ 5 mm	
1490	Rolling load	6 + 2	1500	≥ 1500	
ح EN	Ball Rebound	6 + 2	99%	> 90%	
ınce wit	Abrasion	6 + 2	20 mg	max. 80 mg (sealing lacquer)	Results from internal tests
in accordance with EN 14904	Sliding properties	6 + 2	95	80-100	
.⊑	Impact resistance	6 + 2	19	≥ 8	
	Residual impression	6 + 2	0.1 mm	≤ 0.5 mm	

All technical figures given above are taken from test reports and refer to the main products. Depending on the substrate and application conditions or in case of using alternative products, results may vary.

test reports / certificates available

emission / VOC







*Please see our web-page or contact our Technical Service to obtain country specific test reports / test certificates.

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.

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 preparation is done by shot blasting or grinding and vacuuming. The bond strength of the substrate must be at least 1.0 N/mm².

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 thee 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.

CONIPUR 3335 is applied to this 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 (N) 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 which applied by rolling with "Microtex" rollers (tuft size 10 - 12 mm). Roll out well and 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.

Remarks

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

CE marking only when installed according to the system data sheet

CONIPUR HG pure FULL PUR



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EN 14904:2006

point-elastic, low emission indoor sports flooring surface CONIPUR HG pure FULL PUR

EN 14904: E_{fl} - 20mg - 95 - 26% - 1500N - E1

Essential characteristics	Performance	Harmonised technical specification	
Reaction to fire	Efi	EN 14904	
Resistance to wear	20 mg	EN 14904	
Friction	95	EN 14904	
Force reduction	26 %	EN 14904	
Rolling load without damage	1500N	EN 14904	
Release of dangerous substances	class E1	EN 14904	

Tested in the system build up 6+2 mm with CONIPUR 224 (N)

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