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** *CONIPUR 3785* is used as a primer of a residual moisture > 4 %, earth-contacting areas without vapour barrier or concrete is very porous In case of unevenness ≥ 0.5 mm our prefilled *CONIFLOOR 112* is used, broadcasting of oven dried sand is needed.	0.5 kg/m²	rubber squeegee in case in cases of when the	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.
Elastic layer		**CONIPUR 3335** To mix the product a double head stirrer is most suitable – for large surfaces two agitating tools must be used to ensure a smooth installation	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 be approx. 4.5 kg/m² and for 7mm approx. 5.25 kg/m² etc. up to a layer of maximal 10 mm. 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 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
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	

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

Declaration of Performance

*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/mm^2.

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/m^2 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/m^2 per mm of layer thickness. Accordingly, for 4 mm approx. 3.0kg/ m^2 are required, for 6mm 4.5 kg/m^2 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

CE

0672

CONICA AG, Industriestr. 26, 8207 Schaffhausen, Switzerland

17

SY/HG/FP1/2017

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	E_{fl}	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)

CONICA AG
Industriestr. 26
8207 Schaffhausen
Switzerland

Tel.: +41 52 644 3600
Fax: +41 52 644 3699
info@conica.com
www.conica.com