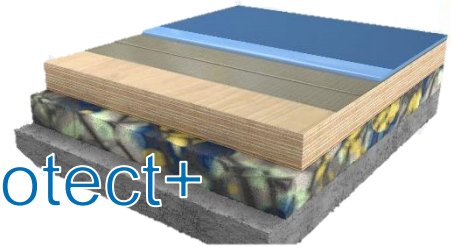

CONIPUR AE protect+

Flame Retardant, Low Emission, Area Elastic Indoor Sports Surfacing System

Fields of application multipurpose sports halls

System data

		Product	Consumption	Application	Remarks
Wooden Subconstruction	or	**HARO Montreal 21**, *installation height 39 mm, installation according to supplier's instructions* **CONIPUR WBI** wooden matrix, 15 + 15 mm	*System build-up and information on the installation please see separate system data sheet*		The suitability of the wooden sub construction must be proven by the supplier. Moisture content of the wood < 7 %. Humidity of the air during the installation must be between 35 - 65 %.
		Grinding and subsequent cleaning of the wooden surface is mandatory			
Pore Sealer		**CONIPUR 220 FL** **CONIPUR 220 FL**	0.3 kg/m² 0.4 kg/m²	metal trowel or rubber wiper	Joints as well as the complete surface of the wood must be closed completely.
		Application in two layers is necessary to remove any open pores and / or protruding wood fibres, as these can lead to bubbles in the top layer.			
Coating		**CONIPUR 3380 FL** 	2.6 kg/m² = **2 mm** 3.9 kg/m² = **3 mm** thickness	notched squeegee	For higher thickness of the wear layer, the consumption can be extrapolated based on the density.
Sealing lacquer		**CONIPUR 3202 W** **CONIPUR 3210 W** CONIPUR 3202 W AB CONIPUR 3210 W AB 	0.13 – 0.15 kg/m²	paint roller (microfibre or perlon)	Critical colours regarding coverage must repeatedly be applied until opacity is achieved. Critical colours with respect to staining must be fixed with a transparent sealing lacquer. CONIPUR 3210 W with even lower emission.
		The alternative top coats reduce the spread of germs over the floor and do not provide a breeding ground for microorganisms			
Line Paint		**CONIPUR 3100**	15 g/m	paint roller / paint-brush	Critical colours regarding coverage must be applied twice.

Installation Height x + 2 mm resp. 3 mm, x = thickness of the wooden matrix system

Selected technical properties

			Result	Requirement	Remarks
Based on EN 14904	Shock absorption	Depending on the type of the wooden sub construction	Type 4	Type 3: ≥45 <55 % Type 4: ≥55 <75 %	Data taken from EN test reports. Wooden subbase as specified in the test report
	Vertical deformation		Type 4	Type 3: ≥1.8 <5,0 mm Type 4: ≥2.3 <5.0 mm	
	Ball rebound		≥ 95 %	≥ 90 %	
	Rolling load		conform	1500 Nm	
	Residual impression		0.00 mm	≤ 0.5 mm	
	Friction		< 110	80 - 110	
	Fire behaviour	according to EN 13501	C_{fl}-s1		

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.

fire behaviour (min.)

C_{fl}-s1

emission testing

gBB

EMISSION CLASS FOR BUILDING MATERIALS · M1

particularly suitable for

- Adult sports
- Wheelchair sports
- Multipurpose use
- basketball, Aerobics, hobby dance, roller hockey

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 residual moisture of the subbase must not exceed 4 %. The subbase must contain a moisture barrier (damp proof membrane D.P.M.).

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.

In regards to the flatness of the subfloor, we refer to the DIN 18202, table 3, line 4.

Application

Wooden Subbase

Installation according to the instructions of the supplier of the wooden subbase:

- HARO – see corresponding installation instructions
- WBI – see separate system data sheet

General recommendations:

- in case of a foam mat to be laid below the wooden distribution layer, the foam mats must be fixed pointwise
- distance to the wall (15 mm) must be ensured with placeholders to ensure the availability of the necessary expansion joints
- the load distribution plates must be installed offset in each row
- the position of the sleeves must be marked clearly and cut out afterwards
- installation instructions of the supplier (of the wooden subbase) must be observed (e.g. curing time of the glue)

After installation, the wooden panels are ground and - after cleaning - pore sealed with CONIPUR 220 FL, using a straight edged trowel or a squeegee.

Depending on the quality of the panels there might still be open pores or protruding wood fibres. In such cases it is necessary to grind and clean again.

The surface must be checked carefully before proceeding with the installation.

In order to ensure a 100 % seal of the wooden subbase, a second layer of CONIPUR 220 FL must be applied.

Once cured, CONIPUR 3380 FL (approx. 2.6 kg/m^2 for 2 mm) is applied using a notched squeegee.

Seal the surface with CONIPUR 3202 W or CONIPUR 3210 W (or the corresponding AB alternatives) using micro fibre roller, rolling out well to eliminate roller marks.

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
Further information on the application of the individual products can be found in the corresponding product data sheets.

General application guidelines and conditions can be found in the *"General Application Guidelines for Sports Systems Indoor and Outdoor"*.

CE-Label:
see Declaration of Performance

UKCA-Label:
see Declaration of Conformity

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