CONIPUR *PRO* ***CLAY***

All Weather Tennis Clay Court
ITF Classified

Fields of application outdoor tennis court

System data

		product	consumption	application	remarks
Base layer		**CONIPUR** *PRO* ***CLAY*** binder	2.85 kg/m²	paver	The particle size distribution is available on request from our Technical Service.
		CONIPUR *PRO* ***CLAY*** chippings, 2-8 mm	38.0 kg/m²		
		CONIPUR *PRO* ***CLAY*** sand**,** 0-2 mm	1.0 kg/m²	broadcast	broadcasted on the still wet base layer
Top layer		**CONIPUR** *PRO* ***CLAY*** PVC line set	1 set / court	inlaying, glueing	new sand has to be broadcasted from time to time
		CONIPUR *PRO* ***CLAY*** sand**,** 0-2 mm	3.0 kg/m²	broadcast	
Hydrophilic additive	optional	**CONIPUR** *PRO* ***CLAY*** absorber	0.09-0.13 kg/m²	spray	will be washed-off by rain and has to be re-applied

Total thickness of the system approx. 30 mm

Preparation

The unbound base layer must fulfil the relevant standards with special reference to: flatness, gradients, thickness, load bearing capacity and water permeability. Base courses to be coated have to be firm, dry and free of loose and brittle particles and substances which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants.

For bound bases or re-topping of existing surfaces – if in doubt please contact our Technical Service or arrange preliminary tests.

The temperature on the base course 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.

Application

Mix the **CONIPUR** *PRO* ***CLAY*** chippings and the **CONIPUR** *PRO* ***CLAY*** binder. For this purpose we recommend using a compulsory mixer with automatic weighing device.

Most important though is that the mixer used has the ability to mix approx. 500kg of **CONIPUR** *PRO* ***CLAY*** chippings and **CONIPUR** *PRO* ***CLAY*** binder any 5 minutes.

Apply the mix, using a specially designed paver, onto the dry and well prepared unbound base course to form the resilient base layer.

While the mixture is still wet, **CONIPUR** *PRO* ***CLAY*** sand is broadcasted (consumption approx 1.0kg/m^2)

Let the base layer cure (harden). The curing process depends on temperature and humidity.

After curing of base layer, cut channels for the application and gluing of the PVC lines by using a double blade cutter and **CONIPUR** *PRO* ***CLAY*** binder as glue.

After reasonable curing, broadcast the **CONIPUR** *PRO* ***CLAY*** sand evenly.

Spray **CONIPUR** *PRO* ***CLAY*** absorber on to the already broadcasted clay sand by using an airless spraying machine or a manual spraying machine as usually used for landscaping. Please note, that the absorber will be washed-off by rain and therefore it will have to be re-applied.

Remarks

To maintain the court, new sand has to be distributed from time to time.

For further information and in particular re-topping of existing tennis courts please contact our Technical Service.

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

Suitable machinery for installing the in situ base layer is e.g. Plano Matic from SMG, Vöhringen, Germany, and mixer B 800 from Beba Mischtechnik, Germany.

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