

CONIPUR *PRO CLAY* indoor

Indoor Tennis Clay Court
ITF Classified

Fields of application indoor tennis court

System data

		product	consumption	application	remarks
Base layer		CONIPUR <i>PRO CLAY</i> binder	2.4 kg/m ²	paver	The particle size distribution is available on request from our Technical Service. broadcasted onto the still wet base layer
		CONIPUR <i>PRO CLAY</i> chippings, 2-8 mm	32.0 kg/m ²		
		CONIPUR <i>PRO CLAY</i> IPC, 0-2 mm	1.0 kg/m ²	broadcast	
Top layer		CONIPUR <i>PRO CLAY</i> PVC line set	1 set / court	inlaying, gluing	new sand has to be broadcasted from time to time
		CONIPUR <i>PRO CLAY</i> IPC, 0-2 mm	3.0 kg/m ²	broadcast	
Hydrophilic additive	optional	CONIPUR <i>PRO CLAY</i> absorber	0.09-0.13 kg/m ²	spray	it will be necessary to re-spray absorber from time to time to keep the sand moist

Total thickness of the system approx. 25 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. We recommend using a compulsory mixer with automatic weighing device.

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

Apply the mix, using a **specialty** 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** IPC is broadcasted (consumption approx 1.0 kg/m²)

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. For this purpose we recommend using a double blade cutter and **CONIPUR PRO CLAY** binder as glue.

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

After a couple of weeks - if needed - **CONIPUR PRO CLAY** absorber can be sprayed on to the already broadcasted clay sand by using an airless spraying machine or a manual spraying machine as usually used for landscaping. This will moisture the ground and helps the sand to absorb more moisture. This might be necessary mainly in strongly ventilated or air-conditioned sports halls.

Remarks

To maintain the tennis court, new sand has to be broadcasted form time to time. To keep the sand moist, the absorber has to be reapplied 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.