

CONIPUR PUR Coating

Coating Technology for recycled granules

Fields of application infill for artificial turf

Technology I: Coating with powdered pigments

System data

		product	mixing ratio	remarks
coating		Recycled rubber granules, 1-2.5mm	100 shares	Use only clean and dry granules
		Water	approx. 0.4 shares	Mixing the water with the granule until it gets glossy. Amount of water may vary depending on the share of dust in the recycled rubber.
		Accelerator 12	approx. 0.4 shares	Add accelerator while mixing
		powdered pigment	approx. 1 share	Add the powdered pigment while mixing. The pigment type must be approved by CONICA. For details consult the Technical Service.
	binder	CONIPUR 370	4-7 shares	Amount of binder may varies depending on the share of dust and on the share of larger granules. For further information please contact our Technical Service

Preparation

Granules to be coated have to be firm, dry, load bearing and free of loose and brittle particles and substances which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants. The **share** of **powder/dust** in the granules should be as **small** as possible - the smaller the share the better the mechanical properties and the better the colour

The **working** and **curing time** of CONIPUR 370 is influenced by the ambient, material and substrate temperature, as well as by humidity. At low temperatures and humidity, the reaction is reduced. At the same time, the viscosity increases requiring increased mixing time. At high temperatures and humidity, the speed of reaction is accelerated and the contrary is true.

The **reactivity** can be adjusted by the amount of accelerator and/or water.

Application

Mix the rubber granules with water until the mixture gets **glossy**. This process will take normally less than 1 minute.

Afterwards **add** the recommended quantity of **Accelerator 12** to the wetted granule and mix for another 2-5 minutes, to make sure, that the accelerator is homogeneously distributed on the granule.

Throw in the recommended quantity of **powdered pigment** and mix until it is distributed homogeneously on the granule surface.

Add CONIPUR 370 and mix until the coating is fully cured. This step will take, depending on mixing equipment and the way of processing, about 4 – 10 minutes.

Remarks

For further information, please refer to the technical data sheets of the products or contact our Technical Service.

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

Technology II:

Coating with a pigmented binder

System data

		product	mixing ratio	remarks
coating	binder	Recycled rubber granules, 1-2.5mm	100 shares	Use only clean and dry granules
		Water	approx. 0.4 shares	Mixing the water with the granule until it gets glossy. Amount of water may vary depending on the share of dust in the recycled rubber.
		Accelerator 12	approx. 0.4 shares	Add accelerator while mixing
		CONIPUR 372	5-8 shares	Add the binder while mixing. The amount of binder may vary depending on the share of dust in the recycled rubber and also on the share of larger granules. For further information please contact our Technical Service

Preparation

Granules to be coated has to be firm, dry, load bearing and free of loose and brittle particles and substances which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants. The **share** of **powder/dust** in the granules should be as **small** as possible - the smaller the share the better the mechanical properties and the colour

The **working** and **curing time** of CONIPUR 372 is influenced by the ambient, material and substrate temperature, as well as by humidity. At low temperatures and humidity, the reaction is reduced. At the same time, the viscosity increases requiring increased mixing time. At high temperatures and humidity, the speed of reaction is accelerated and the contrary is true.

The reactivity can be adjusted by the amount of accelerator and/or water

Application

Mix the rubber granules with water until the mixture gets **glossy**. This process will take normally less than 1 minute.

Afterwards **add** the recommended **Accelerator 12** to the wetted granule and mix for another 2-5 minutes, to make sure, that the accelerator is homogeneously distributed on the granule.

Add CONIPUR 372 (pigmented, 1 comp. binder system) and mix until the coating is fully cured. This step will take, depending on mixing equipment and the way of processing, about 4–10 minutes.

Remarks

For further information, please refer to the technical data sheets of the products or contact our Technical Service.

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