

CONIPUR PG Permeable Retopping for Water Permeable Playground Surfaces

Water Permeable Refurbishing System for Worn, Water Permeable Playground Surfaces

Fields of application refurbishing of worn playground surfaces with a water permeable EPDM layer

System data

		product	consumption	application	remarks
Primer		CONIPUR 72	0.1-0.2 kg/m ²	spray or paint roller	The surface must be prepared by high pressure washing. Adhesion tests are recommended.
		CONIPUR 4020 CONIPUR EPDM granules 1-3.5 mm For paver installation CONIPUR 6020 is used Alternative binders: semi-aliphatic binders CONIPUR 4080 (application by hand) or CONIPUR 6080 (paver installation) aliphatic (UV stable) binders CONIPUR 4090 (application by hand) or CONIPUR 6090 (paver installation)	1.9 kg/m ² 9.6 kg/m ²	trowel	CONIPUR 4020 is an aromatic binder, which will yellow when exposed to sun light. The given material consumption refers to the installation on top of an even EPDM surface and does not include material for the repair of local imperfections such as cracks or areas with strong loss of granules. Such areas must be locally repaired (material to be calculated in addition) prior to any retopping.
Top layer					
Top coat	optional	CONIPUR 2210 AB CONIPUR 2210	0.3 kg/m ²	spray (in two coats)	The application of a top coat improves the slip resistance, the UV-resistance and facilitates the maintenance
					CONIPUR 2210 AB reduces the risk of germs being carried over the floor and provide no breeding ground for microorganisms.

Total thickness of the system approx. $x + 10\text{mm}$, x = thickness of existing playground surface

Please note that the thickness of the playground surface is [increased](#) by approx. **10 mm**. Therefore, there may be a need for some changes in the edge detail.

As HIC values largely depend on the status of the existing playground and the installation, neither values nor test certificates can be given here.

As your partner [CONICA offers](#) you [HIC measurements](#) of your samples in our laboratory. Please contact your responsible sales manager or our Technical Service.

Preparation

Surfaces to be re-topped must be firm and free of loose and brittle particles and substances, which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants.

In addition, the subbase must fulfil the relevant standards with special reference to flatness, gradients, thickness, water permeability and load bearing capacity.

Prior to the re-topping, the surface has to be prepared by **high pressure water washing**. All the loose particles and dirt have to be removed and the surface left to dry completely.

The **temperature** of the **surface** to be re-topped must be at least **3 °C** above the current dew point temperature.

The **temperature** of the **products** before and during application is best between **15** and **25 °C**.

Note: Prior to the re-topping, there might be a need for **repairs**. In some areas it may be necessary to renew the entire surfacing system. These **materials** have to be calculated **additionally**.

Application

Spray a thin film of primer **CONIPUR 72** using airless spray equipment. Apply only as much primer as can be **re-coated within 8 hours**.

Allow the solvent to evaporate and the base course to become **sticky**, before applying the following layer. Depending on the prevailing humidity of the air, this is the case after about two hours.

If re-coating does not take place within 8 hours a new coat of primer has to be applied in order to avoid poor adhesion.

If the surface is **soiled** (dust, sand), the surface must be cleaned and **CONIPUR 72** must be applied after it has dried completely. The **CONIPUR 72** primer must also be used after **rain**.

Mix the **CONIPUR EPDM** granules with a share of **20 %** by weight of **CONIPUR 4020** using a compulsory mixer. Install the top layer using a hand trowel and a screed.

For **sensitive colours** of the granules we recommend to use **CONIPUR 4080** (semi-aliphatic) or **CONIPUR 4090** (UV stable , aliphatic). For more information, please refer to the PM-Info "Playground EPDM – Binder type".

For the **stability** of the surface it is important to achieve a well compacted **homogenous** surface with a **minimum** surface thickness of **10 mm**.

The **smoothing** of the surface **during application** of the binder-granule mix can be facilitated by using **CONICA SMOOTHING AGENT**, which is used to moisten the trowel. It is a very pure product with low odour. As the trowel only needs to be moistened, the consumption can be very low.

Allow the EPDM layer to cure (harden). The curing process depends on temperature and humidity. Do not allow **foot traffic** until the surface is sufficiently cured. If there is enough humidity in the air, curing is normally finished overnight.

We recommend applying **CONIPUR 2210 AB** or **CONIPUR 2210** as **top coat**. Sealing extends life and simplifies maintenance (easier and more cost-effective cleaning in the long term).

The top coat is sprayed in **two coats** from **opposite** directions with an approximate total consumption of **0.30 kg/m²**.

Further information and application instructions are shown in the product data sheet.

Remarks

The information given above is based on our experiences.

Depending on the surface conditions extra preparations, like e.g. grinding, may be necessary.

Preliminary tests must be carried out before doing any kind of retopping.

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

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