CONIPUR 3240 W

Hard, Two Component, Water Based, Pigmented PUR Indoor Sealing Lacquer

with Silk-Mat Finish for Area-Elastic Sports Floorings

**Product description**

CONIPUR 3240 W is a water based, solvent free, low emission, hard and pigmented two component silk-mat finished PUR sealing lacquer of low viscosity.

**Fields of application**

CONIPUR 3240 W is used as UV resistant, pigmented sealing lacquer for our area-elastic sports flooring surface system CONIPUR AE xT

**Properties**

CONIPUR 3240 W exhibits good adhesion to non-porous substrates and is used as pigmented top sealer which is easy to apply, easy to clean and features a good scratch-resistance.

Fully cured, CONIPUR 3240 W exhibits excellent mechanical properties and chemical resistance.

**Consumption**

The consumption of CONIPUR 3240 W is between 0.12 – 0.15 kg/m2.

**Technical Data**

|  |  |  |  |
| --- | --- | --- | --- |
| Mixing ratio | in parts by weight |  | 4 : 1 |
| Density | mix, at 23 °C | g/cm3 | 1.16 |
| Viscosity | at 20 °C | mPas | approx. 1'000 |
| Pot life (10kg mixture) | at 20 °C | min | approx. 45 |
| Re-coating interval | min., at 23 °C, 50 % rel. humidity  max. at 23 °C, 50 % rel. humidity | h  h | 12  24 |
| Ready for foot traffic | at 20 °C, 50 % relative humidity | h | approx. 12 |
| Fully cured - ready for exposure to chemicals | at 23 °C, 50 % relative humidity | d | 7 |
| Substrate and application temperature | at least  maximum | °C  °C | 10  30 |
| Permissible relative humidity | maximum | % | 75 |
| Abrasion resistance | ISO 5470-1 | mg | 14.8 |
| Scratch resistance | DIN 55656 | N | 15 |
| Tensile strength | DIN 53504 | N/mm² | 49.1 |
| *Above figures are guide values and should not be used as a base for specifications!* | | | |

**Application method**

The optimal temperature of the material before and during application is between 15 and 25 °C.

CONIPUR 3240 W is supplied in the correct proportions of component A (resin) and component B (hardener).

Pour component B into component A and ensure that the pail containing component B is emptied completely. The

mixing procedure needs to start immediately. To achieve a homogenous mix, thoroughly mix with a mixing device

at about 300 rev/min. Ensure that the mixing device reaches the side and bottom areas of the mixing vessel.

The mixing process takes at least 2 - 3 minutes and must be performed until the blend is homogenous and streak free. Do not use the product out of the mixing pail. Pour the mix into another clean pail and mix it again for two more minutes.

CONIPUR 3240 W is applied to the pre-treated substrate by rolling with a “Microtex” roller (tuft size: 10-12 mm). Roll out well and 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 pot life and curing time of CONIPUR 3240 W are influenced by the ambient, material, air circulations and substrate temperature. At low temperatures, chemical reactions are generally slowed down; this lengthens the pot life, re-coating interval and open time. At the same time, the viscosity increases which leads to a higher consumption.

**Important**

As CONIPUR 3240 W is water based, it is more sensitive to high / low temperatures and humidity than solvent containing products – thus special attention needs to be on the climatic conditions before, during and after application.

The application must be carried out without interruptions in order to avoid flooding of the pigments (cloudy surface).

Make sure that doors and windows are closed, to avoid air circulation during the application and curing. Airflow can negatively influence the optical properties by creating roller marks. High temperature and humidity accelerate chemical reactions so the contrary is true.

Indirect ventilation systems and underfloor heating systems must be adjusted to avoid too rapid drying.

To fully cure the material, the substrate and working temperature must not fall below the minimum.

After application, the material have to be protected from direct contact with water. Within this period, water could cause swelling of the sealing lacquer or stain.

**Cleaning agent**

Re-usable tools should be cleaned carefully with water.

**Substrate condition**

CONIPUR 3240 W is a hard top coat for area-elastic sports floorings.

Substrates 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.

Pre-treatment of the substrate by e.g. grinding or sanding is only necessary if the coating is very dirty, when applied onto old coatings or if the re-coating interval has been exceeded.

The consumption is between 0.12 and 0.15 kg/m2.

Sealing with CONIPUR 3240 W needs to be done latest within one day (20 °C) after latest application. Indicated re-coating intervals have to be kept.

**Important**

The 2nd coating layer of CONIPUR 3240 W must be applied **latest** 24 hours after the 1st layer without any pre-treatments - the floor needs to clean, dry and free of dust.

If the first coat of CONIPUR 3240 W is applied ≥ 24 hours before the second coating, grinding and cleaning is **mandatory**.

Otherwise **adhesion** problems may occur.

**Grinding**: thorough matting of the **complete surface** with a single disk machine and a grinding net (grain size 180) or a black pad. There must be **no visible** glossy spots.

Subsequent cleaning (vacuum cleaning, wiping moistly, curing completely) is necessary before the 2nd coat of the top coat can be applied.

The temperature of the substrate must be at least 3 °C above the current dew point temperature.

**Pack size**

CONIPUR 3240 W is supplied in 10 kg working packs. A and B component are supplied separately in the correct proportions.

**Colour**

standard colours available – further colours upon request

**Storage**

Store in original closed pails under dry conditions at a temperature range of 10 - 25 °C.

**Important**: Product is sensitive to frost!

Do not expose to direct sunlight.

Before use, please see "best before" date on the pail / drum. Though the delivery is arranged to be one batch for part A only please verify, that there is only one batch of part A on site.

**Safety precautions**

CONIPUR 3240 W is non-hazardous in its cured condition.

For protective measures, transport regulations and waste management please refer to the Material Safety Data Sheet of the product.

# CONIPUR 3240 W meets the requirements of the EC directive 2004/42/EC.