

WIEREGEN-DW11

**2C-PUR Hydro Sealer
coloured**

■ FIELDS OF APPLICATION

WIEREGEN-DW11 is used as a sealer on glossy epoxy- or polyurethane-resin coatings made of GEHOPON-E600 or WIEREGEN-D70.
Only for use inside of buildings.

■ PRODUCT PROPERTIES

WIEREGEN-DW11 is a waterborne coating material based on two-pack polyurethane resin. Therefore, the material is low in odour, non-flammable and not explosive.
WIEREGEN-DW11 is easy to handle. Sealed surfaces show a smooth surface and are easy to clean.

Capacities

Cured layers of WIEREGEN-DW11 are resistant to petrol and oil as well as to alkalis, acids, and solvents.

■ PRODUCT DATA

WIEREGEN-DW11 comp. A

WIEREGEN-DW11 comp. B

Product number
Degree of gloss

DW11-F.... (depending on colour) flat

DZ-11B

Mixing ratio

5 parts by weight

1 part by weight

Shelf life

At least 6 months in original cans at normal temperature.

Theoretical consumption

DW11-F.... (flat) - approx. 100 g/m² per working operation
(including water for thinning)

Suitable thinner

Drinking water (with a low water hardness)

■ TECHNICAL DATA

**Notes referring to
Directive 2004/42/EC
„Decopaint-Directive“**

Subcategory as referred to in Annex IIA	VOC limit values (Phase II from 2010)	Max. VOC content of the product in its ready for use condition (including the max. amount of diluents as given in "Application methods")
J ("Two-pack reactive performance coatings") Type WB	140 g/l	< 140 g/l

Coating systems

Coating:
with GEHOPON-E600 WIEREGEN-D70 (clean and free of dust)

Sealing:
WIEREGEN-DW11 in a single working operation. Best results can be achieved by adding 20 to 25 % of water.

■ **INSTRUCTIONS
FOR APPLICATION**

Substrate The substrate should be clean and dry as well as free of dust and adhesion reducing substances such as oils and greases.

For this reason, we recommend the finishing of the coatings immediately after the expiry of the minimum waiting period.

Surface preparation Clean if necessary.
Old coatings and coatings where the maximum waiting period for finishing is exceeded must be roughened before the sealer will be applied.

Processing conditions

Air and surface temperature Minimum 10 °C, maximum 25 °C.
Optimal results will be achieved at temperatures of 15 to 25 °C.

Relative humidity Max. 80 % relative humidity.
Do not apply under dew point conditions.

Caution:
In insufficiently ventilated rooms, the relative humidity is increased by the evaporation of water from WIEREGEN-DW11. In such cases, supplementary ventilation and maybe heating is necessary otherwise streaks or differences in the degree of gloss can occur.

Comments on processing

Mixing WIEREGEN-DW11 is mixed with the enclosed quantity curing agent using a mechanical stirrer until a homogenous mixture is produced. After a pre-reaction time of 5 to 10 minutes and a repeated stirring the material is ready for use.

Methods of application Roller coating

The suitable consistency of WIEREGEN-DW11 is achieved with water of low hardness (20 to 25 %) depending on the temperature.

The following procedure has proven favourable in practice:

- Use short-pile and as broad as possible rollers (resistant to solvents and lint-free).
- Ensure a uniform loading of the rollers.
- Stir the material thoroughly before application and dilute as necessary depending on temperature.
- Always seal joined surfaces without interruptions.
- Seal joined areas quickly, make overlaps wet-on-wet wherever possible.
- Avoid too thick coats (particularly at overlaps).
- Recommendation: Two people seal joined surfaces at the same time: one lays the material with the roller and spreads it quickly on the surface, the other smoothes the applied (and not yet drying) material immediately and evenly with a "dry" roller.

Remark:

A finish should be homogenous even if rolled. There are several parameters which are having an effect on the results and which aren't completely under control of the paint supplier and fabricator:

- Geometry and lighting of the room (light incidence, window etc.)
- Flatness/smoothness of the existing coat
- In case of dark colours like RAL 7030 and similar ones visible shades, marks or also visible defects in overlapping areas may not be completely eliminated.
- Entry of dust and pollutants while application and curing

We recommend spreading of pattern for a high demand on visual quality of a floor coating.

Cleaning of equipment Water (at least drinking water quality)

Pot life Approx. 1.5 to 2 hours depending on temperature

Waiting period between working operations

temperature		+ 10 °C	+ 20 °C	+ 25 °C
DW11 on coatings	min. max.	48 h 3 days	24 h 48 h	18 h 36 h
DW11 on DW11-	min. max.	24 h 2 days	12 - 16 h 2 days	12 h 2 days

Drying and curing times At a temperature of 20 °C

Tack free: after approx. 6 to 8 hours

walkable: after 16 hours

Full resistance to mechanical and chemical stresses after 7 days depending on temperature.

■ **SAFETY MEASURES**

The relevant data concerning safety measures can be found in the material safety data sheet of this product.

The valid issue of the material safety data sheet is available from our website www.geholit-wiemer.de.

The statements made here are based on the present state of our knowledge. We do not assume liability for damages resulting from the use of the material or from any advice given by our employees. In this respect, any advice given by our employees has to be seen as not binding. The processor is responsible for the supervision of construction, the maintaining of process guidelines and the observation of the established rules of techniques, even if our employees are present at the time our material is being applied.

This information is subject to modifications due to technical improvements. The latest edition of this information replaces all previous issues.