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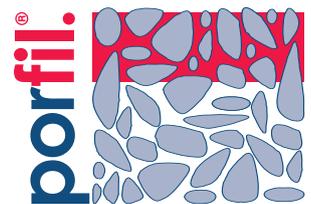
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Innovative surface design
Simple, durable, fast and jointless



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porbits®

The jointless, wear-resistant, fast and durable surface

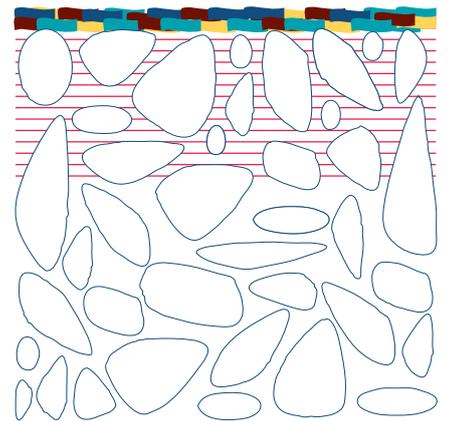
porbits® is the jointless, wear-resistant and fast surface-finish, that can be applied to almost any kind of ground (concrete/screed, old coatings, asphalt, wood, steel, cement-based levelling filler, ...) inside, outside and also in permanent wet areas.

They stand out due to the simple application and the high mechanical and chemical resistance (pH > 4) with minimum layer thickness. The surface grip and the correlating cleanability is infinitely adjustable.

As fixing binder **porfil® PLUS X** must be used. The porefilling sealant penetrates the building material, protects it from rear surface moisture and seals it resistant to pressurised water.

By sealing the surface with the waterbased 2K-PU topcoat **pleyers. WB 800** the mechanical and chemical resistance is increased. As a result an improvement in the cleanability is achieved and the application range can be expanded to hygienic demanding surfaces, e.g. canteen kitchens or hospitals.

NEW
with **porbits®**



ADVANTAGES



Advantages:

- + jointless
- + tested product according to the german guidelines and standards for repair and protection of concrete (RiLi-SiB)
- + almost any kind of ground can be treated
- + application nearly independent of the weather
- + fast, reparable and smoothly expandable
- + easy to clean
- + high mechanical and chemical resistance
- + variable grip
- + variable colour design
- + extreme durability
- + drivable (cars, trucks, forklifts, airplanes,)
- + UV-resistant

Directions for use in brief

(for detailed informations please request our latest technical datasheet)

1. Surface preparation

The surface has to be mechanical prepared before application of the pore-filling sealant **porfil.® PLUS X**. This can be done by grinding, shot- or waterblasting. Anyway the ground has to be grinded in order to clean the surface. The surface must be free from laitance, loose particles, dust and contaminations such as oil, grease and other separating substances.

2. Surface evaluation (waterdrop test)

For the assessment of the absorbency behaviour a waterdrop-test is carried out. A waterdrop set on the surface has to spread and must be absorbed into the ground after 1-2 minutes. There is no need for any other humidity test (e.g. CM-Method).

3. Porefilling application of **porfil.® PLUS X**

The mixed epoxy resin is poured out on the surface and spread with a rubberlip. After a short waiting time (depending on the quality of concrete/screed for at least 30 min.) a second application step is carried out in order to fill the pores completely.

4. Film-forming of the **porfil.® PLUS X** to embed the **porbits®**

The excess of the **porfil.® PLUS X** is evenly spread crosswise on the surface with a lacquer roller.



5. Fully covering air-injection or sprinkling of the **porbits**[®]

The **porbits**[®] are sprinkled or air-injected fully covering the still wet **porfil**[®] **PLUS X**.

6. Extraction of the surface and grip-adjusting

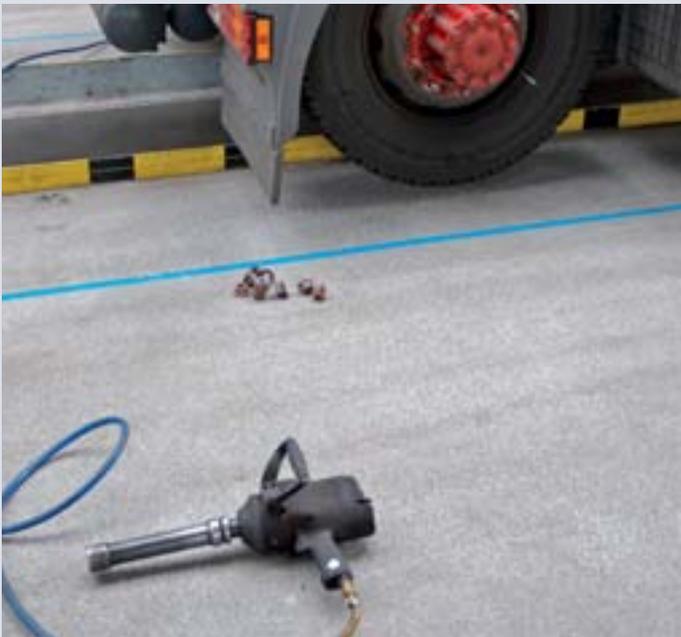
After the hardening of the **porfil**[®] **PLUS X** the excess of the **porbits**[®] is sucked off and can be used again. The grip of the surface can be infinitely adjusted by choosing the further processing steps (grinding, scratching, sealing, ...). For the maximum possible grip the surface is only sucked off. For other purposes the surface is scratched off with a smoothing trowel or grinded.

7. Durable topcoating of the surface

For optimization of the cleanability and the chemical resistance, especially in acid environments the waterbased 2K-polyurethane topcoat **pleyers**[®] **WB 800** is rolled crosswise on the surface. By applying a second layer of the topcoat the surface grip can be reduced furthermore by filling the low points of the surface.



References



Truck Petrol- and servicestation

Shipping Company Hintzen
Eschweiler (Germany)

- + mechanical and chemical resistance
- + extreme durability
- + application nearly independent of the weather
- + drivable (trucks, forklifts,)

Sales- and outside areas

Construction material store Küppers
Kaarst (Germany)

- + different grounds: young and old screed, old coating, asphalt, ...
- + easy to clean
- + mechanical stress (pallet mover, ...)
- + smoothly expandable



REFERENCES

Carpark

Ed. Züblin
Stuttgart (Germany)

- + tested product
for repair & protection
of concrete (RiLi-SiB)
- + variable grip
- + extreme durability

Visitor terrace

DIFC – Dubai International Financial Center
Dubai (United Arab Emirates)

- + UV-resistant
- + jointless
- + variable grip
- + variable colour design