

TECHNICAL DATA SHEET

porviva® system products

high performance, UV-stable „living surfaces“
made out of porbits, metals, minerals
or natural products



Fields of applications:

pleyers. porbits® are used as a resistant and easy-to-clean surface with or without a top sealing. It can be applied on sealed screed, concrete, self-levelling coating systems (PU, Epoxy...) and even on steel or wood. They are suitable for inside areas as well as outside areas (subterranean garages, industrial floors, sun decks etc.). The weathering and UV stability is improved. Due to the high mechanical resistance the **pleyers. porbits®** are characterized by a high resistance to abrasion and fire. The material is easy to use and clean. Strong soiling can be removed with a suitable solvent. Depending on the use the **pleyers. porbits®** are resistant to fresh, sea and waste water and also mineral oils, greases, fuels, diluted acids (> pH4), alkali substances and salt solutions. By using **porfil.® PLUS X** / **porfil.® ECO** the **pleyers. porbits®** can be equally applied as a sealing on young (green) concrete and 2-3 days old cement screeds. This prevents moisture penetration on the reverse side, even with pressurized water.

Surface preparation:

The correct preparation of the foundation is of the highest importance. Be working in very thin layers the roughness and evenness of the surfaces also play a determining role. The best results are always achieved with a defined levelled-out surface. The foundation must be capable of load-bearing, solid in form, firm and free of loose materials, dust, oil, grease, elastic rub and other substances which may impair penetration or adhesion. The surface tensile strength of the foundation has to be on average 1.5 N / mm² which amounts to pressure resistance of at least 25 N / mm². Any muds, formwork oil, aftercare materials and other pollutants on the surface must be removed mechanically. Shot blasting or high pressure water jetting are the preferred methods. Missing or broken up areas in the foundation must be filled / closed by adequate means (e.g. Epoxy mortar) flush with the surface.

Before application on absorbent surfaces a drop of water test should be carried out. A water drop set on the surface has to spread and must be absorbed into the surface after 1-2 minutes. **porfil.® PLUS X** / **porfil.® ECO** is poured onto the prepared surface and spread with a squeegee (rubber lip). Allow time to set! After a short waiting time (minimum 30 minutes) a second application step is performed. On highly absorbent surfaces a further application step may be required (the surface becomes light grey again due to absorption). Re-prime the dry areas and allow to set again. The epoxy excess must be spread cross-wise on the surface with a lacquer roller to fix siliceous sand (0.4 - 0.8mm) (perfect bonding capabilities for coverings) in the still fresh **porfil.® PLUS X** / **porfil.® ECO**.

After the complete setting of the material the excess sand is swept away. On absorbent surfaces defects can occur. The areas must be reworked to ensure the sealing and the perfect bonding for the levelling.

following product information can be required by E-Mail or phone:

- product information
- safety datasheets
- **porviva®** cleaning- and maintenance instruction
- **porviva®** references
- **porviva®** synthetic color palette / RAL color chart / NCS color chart

PRODUCT VARIANTS:

- SYNTHETIC
- METAL
- METAL SPATOLA
- MINERAL
- PORPEBBLE
- NATURE

AREAS OF APPLICATION:

- AIRPORTS
- POOLS
- WATER/ LEISURE PARKS
- HOTELS
- INDUSTRIAL FLOORING
- LANDSCAPING

PROPERTIES:

- JOINTLESS APPLICATION
- ENDLESS DESIGN POSSIBILITIES
- RESISTANT TO A WIDE RANGE OF CHEMICALS
- EASY TO MEND
- UV STABLE
- FAST AND SIMPLE APPLICATION
- COOLING EFFECT/ LOW SURFACE TEMPERATURE
- WATER VAPOUR RETARDER
- PERMANENT SEALING
- SOLVENT FREE & VERY LOW EMISSION

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Bottom levelling (recommended for all sprinkled surfaces):

To equalize a balance spatula is drawn. After setting the spatula the background will be sanded and vacuumed using a grinding plate with 16mm grain. **porfil.® PLUS X** / **porfil.® ECO** will be poured onto the prepared surface and spread with a squeegee. Allow time! After a waiting period (minimum 30 minutes) use a paint roller to roll cross-wise at least twice on the surface. Before throwing leave the area to rest again for 5-10 minutes in order to avoid any possible roller tracks. Alternatively, to avoid roller marks (especially with dark special stainless steel versions), **porfil.® PLUS X** / **porfil.® ECO** has to be applied in two steps.

Cleaning:

Please see latest **porviva®** Cleaning & nursing instruction.

Additional information:

Delivery of the material is exclusively made to commercial of industrial processors who have been trained in the application and are certified by us.

For further information please attend our application training session or refer to the current **porviva®** guidelines.

Qualities and minimum quantities:

particles: **players. porbits®** mineral:

MI.0201. grey, MI.0202. anthracite, MI.0203. black, MI.0204. snow white, MI.0205. white, MI.0206. red, MI.0207. orange, MI.0208. yellow, MI.0209. green, MI.0210. diamond shine, MI.0211. gold dark shine, MI.0218. gold light shine, MI.0219. achat shine, MI.0220. sun topaz shine, MI.0221. amazonit shine, MI.0222. soft anthrazit, MI.0223. greige, MI.0224. copper greige, MI.0225. copper grey, MI.0226. travertine shine, MI.0227. sandstone shine, MI.0228. red beige shine, MI.0229 beige copper shine, MI.0230 brick red shine, MI.0231. goldstone shine, MI.0232. star galaxy, MI.0233. dark galaxy shine, MI.0234. star galaxy shine

Container type/ content: bucket/ cardboardbox á 25,00 kg

Minimum purchase order:

Size S/M/L: 25,00 kg

Storage: Shelf life approx. 24 months if stored correctly in unopened original containers. There is no guarantee of shelf life for opened containers. The material should be used immediately after opening.

(Primer: **porfil.® PLUS X**)

particles: **players. porbits®** mineral mica (shimmer):

MC.0098.S silver fine, MC.0098.M silver coarse, MC.0099.S gold fine, MC.0099.M gold coarse

Container type/ content: cardboardbox á 15,00 kg

Minimum purchase order:

Size S/M: 15,00 kg

Storage: Shelf life approx. 24 months if stored correctly in unopened original containers. There is no guarantee of shelf life for opened containers. The material should be used immediately after opening.

(Primer: **porfil.® PLUS X**)

particles: **players. porbits®** porpebble:

PP.0500. blue, PP.0501. green

Container type/ content: cardboardbox á 25,00 kg

Minimum purchase order:

Size S/M: 25,00 kg

Storage: Shelf life approx. 24 months if stored correctly in unopened original containers. There is no guarantee of shelf life for opened containers. The material should be used immediately after opening.

(Primer: **porfil.® PLUS X**)

particles: **players. porbits®** metal:

ME.0001. stainless steel, ME.0002. chrome steel, ME.0003. aluminum

Container type/ content: bucket/ cardboardbox á 25,00 kg

Minimum purchase order: 25,00 kg

Storage: Shelf life approx. 24 months if stored correctly in unopened original containers. There is no guarantee of shelf life for opened containers. The material should be used immediately after opening.

(Primer: **porfil.® ECO**)

particles: **players. porbits®** metal spatola:

XS: MS.0003.XS aluminum, MS.0004.XS brass, MS.0005.XS copper, MS.0006.XS bronze

S: MS.0001.S stainless steel, MS.0002.S chrome steel, MS.0003.S aluminum

Container type/ content: bucket/ cardboardbox á 25,00 kg

Minimum purchase order:

Size S/M/L: 25,00 kg

Storage: Shelf life approx. 24 months if stored correctly in unopened original containers. There is no guarantee of shelf life for opened containers. The material should be used immediately after opening.

(Primer: **porfil.® ECO**)

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particles: **players. porbits® nature:**

NA.0001.S walnut fine, NA.0001.M walnut coarse, NA.0002. coconut, NA.0003. coffee

Container type/ content: bucket/ cardboardbox á 15,00 kg

Minimum purchase order:

Size S/M: 15,00 kg

Storage: Shelf life approx. 24 months if stored correctly in unopened original containers. There is no guarantee of shelf life for opened containers. The material should be used immediately after opening.

(Primer: **porfil.® PLUS X**)

particles: **players. porbits® synthetic standard colors:**

diverse colors (please see the porviva® color palette)

Container type/ content: cardboardbox á 20,00/ 25,00 kg

Minimum purchase order standard colours:

Size XS and S: 25,00 kg

Size M: 20,00 kg

Storage: Shelf life approx. 24 months if stored correctly in unopened original containers. There is no guarantee of shelf life for opened containers. The material should be used immediately after opening.

(Primer: **porfil.® PLUS X**)

Primer: porfil.® PLUS X transparent:

GISCODE: GISCODE RE1

Packaging:

10,00 kg units

Comp. A 8,00 kg Steeldrum,

Comp. B 2,00 kg Plastic Jerrycan

Mixing ratio by weight: Comp. A 4 parts : Comp. B 1 part

Storage: Store in closed and unmixed, original containers under dry conditions and a temperature between 15-25 °C. Exposure to direct sunlight or temperatures below the storage temperature should be avoided. Under these conditions the material has a shelf life of 24 months.

Primer porfil.® ECO transparent:

GISCODE: GISCODE RE1

Packaging:

10,00 kg units

Comp. A 6,67 kg Steeldrum

Comp. B 3,33 kg Plastic Jerrycan

Mixing ratio by weight: Comp. A 2 parts : Comp. B 1 part

Storage: Store in closed and unmixed, original containers under dry conditions and a temperature between 15-25 °C. Exposure to direct sunlight or temperatures below the storage temperature should be avoided. Under these conditions the material has a shelf life of 24 months.

Intermediate sealing and Top Sealing

players. WB800® transparent matt or gloss

GISCODE: GISCODE PU10

Packaging:

10,00 kg units

Comp. A 16,67 kg Plastic Jerrycan

Comp. B 3,33 kg Plastic Jerrycan

Mixing ratio by weight: Comp. A 5 parts : Comp. B 1 part

Storage:

Store in closed and unmixed, original containers under dry conditions and a temperature between 15-25 °C. Exposure to direct sunlight or temperatures below the storage temperature should be avoided. Under these conditions the material has a shelf life of ca. 9 months.