



# weberfloor epopark

High-performance epoxy  
screed for industrial  
applications

*Flooring*

Leb	Egypt	Jordan	UAE	Qatar	Kuwait	KSA	Oman
-	-	24.562kg	-	-	-	-	-

## PRODUCT

**weberfloor epopark** is a solvent free, three component epoxy resin easy leveling, designed for leveling and coating interior concrete floors and to provide continuous protection for concrete floors. This product is aesthetically pleasing, moreover, practical for various commercial, industrial, and residential settings, where flowable consistency, excellent abrasion and chemical resistance is needed. **weberfloor epopark** provides a smooth, seamless, and highly durable surface and can be applicable from 1 to 3mm thickness.

## SCOPE OF USE

- Industrial facilities
- Commercial spaces
- Healthcare facilities
- Garages workshops
- Automotive workshops
- Petrochemical plants
- Chemical plants

## CHARACTERISTICS

Composition	Resin, hardener, selected fillers
Color	Grey, blue, red, green and others
Finish	Gloss
Density	1.9±0.1g/cm <sup>3</sup>

Pot life	60min @25°C
Foot traffic (application temperature 20°C to 35°C)	24 hours
Heavy traffic (application temperature 20°C to 35°C)	2 to 3 days
Over coating time for 3mm (BS 1881 Part 107)	Min. 48 hours - max. 7 days
Compressive Strength at 7 days ASTM C579-23	>55N/mm <sup>2</sup>
Flexural Strength at 7 days ASTM C580-18(2023)	>25N/mm <sup>2</sup>
Adhesion Strength at 7 days ASTM D4541-22	>3N/mm <sup>2</sup> (Substrate failure)
Tensile Strength at 7 days ASTM D638-22	>15N/mm <sup>2</sup>

## INSTRUCTIONS FOR USE

### SUBSTRATE PREPARATION

New concrete should be at least 28 days old. All surfaces should be clean, dry, and free from grease laitance, oil, dust, paint and any other substance that may prevent or reduce adhesion. Moreover, moisture content of the substrate should be <5%. Remove all weak, loose, smooth or broken pieces of concrete, until reaching a sound rough concrete. This can be achieved by grinding or shot-blasting. The prepared surface must have an average "Surface tensile adhesion strength" >1MPa. Moreover, it should have a CSP (concrete surface profile) of 3 to 5. Concrete must be crack free, thus, any crack must be repaired

prior to application with the appropriate epoxy-based material according to the crack dimensions. Depending on substrate conditions, deeper ruptures and cracks must be filled with **weberfloor epopatch** (up to 3mm) and **weberfloor epolevel** (3 to 10mm), freshly scattered with sand, to increase the bonding and create a strong mechanical key (For more details, please refer to the above-mentioned products data sheets). Once the substrate is well prepared, it must be dust free, preferably using a vacuum machine, prior to **weberfloor epopark** application.

**WARNING:** Do not wash the substrate with water at any time!

After substrate preparation, clean all joints thoroughly, then apply masking tape either side of the joint to protect surfaces from primers and excess of material. Backer Rod should be pressed into the joint, allowing a sealant depth of around 1.5cm, then insert or pour the sealant such as **weberjointseal PU** or **weberseal PS 1000 PG** into the joint.

Note: **weberfloor epopark** could be applied without joints, however, in case control, expansion or construction joints exist in the substrate, it should be copied and maintained through **weberfloor epopark**.

#### Priming:

The usage of primer is a must prior to floor epopark application. For high porous substrates, it is recommended to apply **weberfloor eposil plus** or **weberfloor epoprime SF**. The primer should be left to achieve a tack-free condition before applying **weberfloor epopark** and must be covered within max 24 hours.

A second coat of primer may be required if the substrate is excessively porous.

If due to some site conditions, the primer could not be covered with **weberfloor epopark** within 24 hours, a second anti-skid primer layer must be applied using the same primer treated with Weber silica sand, **weberfloor Sil S** 0.1-0.4mm, while the primer coat is still wet.

Substrate must always be clean and dust free, before applying the second anti-skid primer and before applying **weberfloor epopark**.

#### PRODUCT PREPARATION

Pour Part B over Part A, then mix the two parts hardener and resin using an electric mixer with low rotation speed (<300rpm). To obtain a uniform epoxy mortar compound, gradually add the graded aggregates to the epoxy fluid while mixing for 2 to 3 minutes.

When applying the product at a minimal thickness of 1mm, it is crucial to take extra precautions during substrate preparation to avoid issues.

#### PRODUCT APPLICATION

**weberfloor epopark** could be applied as a easy leveling or for bedding and grouting.

#### Easy-leveling:

After the surface has been prepared, and the product is well mixed, pour out mixed material onto the floor then evenly spread it out using a V-shaped notched trowel (5 to 6mm). Ensure that the surface is levelled using a calibrated rake. Check the thickness and eliminate entrapped air using a spiked roller in two crossed passes. **weberfloor epopark** needs at least 30 minutes at 20°C to set during this period, the product must not be touched or adjusted.

#### Bedding and grouting:

Pour **weberfloor epopark** continuously, in one direction to avoid air pockets.

The choice of installation method depends on the grouting thickness and the length of the machine.

#### CONSUMPTION AND COVERAGE

Coverage rates are indicative and may vary depending on the substrate's flatness and condition. A 24.562kg pack of **weberfloor epopark** provides an approximate coverage of 13m<sup>2</sup> per pack at 1mm thickness.

#### STORAGE

12 months after manufacturing date in its original packing non open and in dry cool area.

#### SAFETY PRECAUTIONS

Avoid prolonged contact with skin. Wear goggles with side shields, protective gloves and respiratory mask. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In both cases seek medical attention. The product is non-flammable. For further and complete information about the product's safety please refer to the safety data sheet.

#### DISCLAIMER

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