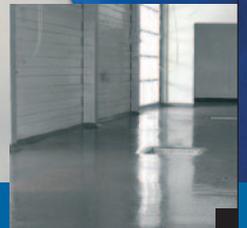
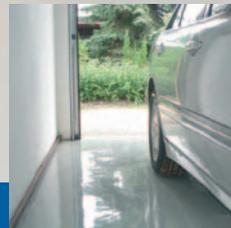


# TEKNOFLOOR Floor Coatings





**A TIP!**  
Broadcast the floor flakes evenly into the wet **TEKNOFLOOR 500F** coating. After drying, finish with **TEKNOFLOOR 300F** or **TEKNOFLOOR AQUA 110F** epoxy varnish.

# TEKNOFLOOR Floor Coatings

Teknos has been an expert in producing coatings for concrete surfaces for decades. TEKNOFLOOR product family offers a perfect range of products for coating concrete floors and other surfaces.

As a result of our product development work, the TEKNOFLOOR product family has several superior new properties. The coatings withstand chemical and mechanical stresses extremely well. They increase the concrete's surface strength, and they

have good adhesion to concrete. The products are also easy to apply, making the work easier than ever.

The TEKNOFLOOR product family consists of a full range of products, from priming paints and varnishes to finishing paints and varnishes. Concrete surfaces can also be painted with water-based products developed as an alternative to traditional solvent-based products.

## TEKNOFLOOR L42 EPOXY COATING SYSTEM TEKNOFLOOR 100F solvent-based two-component coating

- Applications**  
Industrial facilities, garages, warehouses.
- Properties**
- Strong surface, excellent mechanical durability
  - Ease of cleaning
  - Withstanding of chemical stresses well
  - Ease and simplicity of application

**Application conditions**  
The surface to be coated must be dry. New concrete must be at least four weeks old. During application and drying, the air, surface, and coating temperatures must be above 10 °C and the relative air humidity below 80%.

**Drying time**  
The product can withstand light traffic after 12 hours if the coating, air, and surface temperatures during coating and drying are 23 °C.

**Amount to be used**  
TEKNOFLOOR 100F: approx. 8 L for 20 m<sup>2</sup>, priming and one finishing coating  
TEKNOSOLV 9506: approx. 3 L

- Stages**
- 1) Surface pre-treatment performed mechanically or by acid etching
  - Mechanical treatment  
Dense laitance is removed from the concrete surface via grinding, sandblasting, or shot-blasting. After pre-treatment, the cement dust and other impurities are carefully removed by, for example, vacuuming.

- Acid etching  
Etching is done with the BETONI-PEITTAUS-LIUOS agent (diluted with water 1:1) or diluted hydrochloric acid (1 part acid to 4 parts water). Apply the solution over the entire surface area.

Remove the sludge with a brush. Rinse the floor thoroughly. Wait for the concrete to dry before applying the coating.

2) Priming  
Mix the TEKNOFLOOR 100F components thoroughly. Dilute the mix with 20–40% TEKNOSOLV 9506. Apply the coating with a short-piled mohair roller generously so that the surface is sealed.

3) Finishing coating, 1–2 times  
Finishing coats with undiluted coating are applied 6–24 hours after priming. The coating is applied generously to achieve an even, thin film. Coating is performed in a similar way to that used in priming.

## TEKNOFLOOR L40 EPOXY COATING SYSTEM TEKNOFLOOR AQUA 110F water-based two-component coating

**Applications**  
Basements, bathrooms, concrete floors exposed to light traffic. Suitable also for wall surfaces.

- Properties**
- Strong surface, excellent mechanical durability
  - Ease of cleaning
  - Good withstanding of chemical stresses
  - Ease and simplicity of application
  - Rapid drying
  - Suitability also for wall surfaces

**Application conditions**  
The product can be applied to a dry or slightly moist concrete surface. There must be no liquid water on the floor. During application and drying, the air, surface, and coating temperatures must be above 10 °C and the relative air humidity below 80%.

**Drying time**  
The product withstands walking after four hours if the coating, air, and surface temperatures during coating and drying are 23 °C.

**Amount to be used**  
TEKNOFLOOR AQUA 110F: approx. 8 L for 20 m<sup>2</sup>, priming and finishing coating

- Stages**
- 1) Surface pre-treatment, mechanical or by acid etching
  - Mechanical treatment  
Dense laitance is removed from the concrete surface via grinding, sandblasting, or shot-blasting. After pre-treatment, the cement dust and other impurities are carefully removed by, for example, vacuuming.

- Acid etching  
Etching is done by means of the BETONI-PEITTAUSLIUOS agent (diluted with water 1:1) or diluted hydrochloric acid (1 part acid to 4 parts water). Apply the solution to the entire surface area. Remove the sludge with a brush. Rinse the floor thoroughly. Wait for liquid water to dry before applying the coating.

2) Priming  
Mix the TEKNOFLOOR AQUA 110F components thoroughly. Dilute the mix with 5–10% water. Apply the coating with a short-piled mohair roller generously so that the surface is sealed.

3) Finishing coating  
A finishing coat with undiluted coating is applied 4–12 hours after priming. The coating is applied generously to achieve an even, thin film. Coating is performed in a similar manner to that used in priming.

**Note:** The product must be used within 1.5 hours from mixing. Older mixtures must not be used.

## TEKNOFLOOR L44 EPOXY COATING SYSTEM TEKNOFLOOR 500F solvent-free self-levelling two-component coating

**Applications**  
Industrial facilities, garages, business facilities, repair shops, and butcheries with strong mechanical stresses.

- Properties**
- Strong surface, excellent mechanical durability
  - Ease of cleaning
  - Good withstanding of chemical stresses
  - Self-levelling on horizontal surfaces

**Application conditions**  
The surface to be coated must be dry. New concrete must be at least four weeks old. During application and drying, the air, surface, and coating temperatures must be above 10 °C and the relative air humidity below 80%.

**Drying time**  
The product withstands light traffic after 16 hours if the coating, air, and surface temperatures during coating and drying are 23 °C.

**Amount to be used**  
TEKNOFLOOR PRIMER 310F: approx. 4 L for 20 m<sup>2</sup>, priming

TEKNOSOLV 9506: approx. 3 L  
TEKNOFLOOR 500F: 10 L for 20 m<sup>2</sup>, coating of 0.5 mm

- Stages**
- 1) Surface pre-treatment performed mechanically or by acid etching
  - Mechanical treatment  
Dense laitance is removed from the concrete surface through grinding, sandblasting, or shot-blasting. After pre treatment, the cement dust and other impurities are carefully removed through, for example, vacuuming.

- Acid etching  
Etching is done with the BETONI-PEITTAUS-LIUOS agent (diluted with water 1:1) or diluted hydrochloric acid (1 part acid to 4 parts water). Apply the solution to the entire surface area. Remove the sludge with a brush. Rinse the floor thoroughly. Wait for the concrete to dry before applying the coating.

2) Priming lacquering  
Mix the TEKNOFLOOR PRIMER 310F epoxy lacquer components thoroughly. Dilute the mix with 30% TEKNOSOLV 9506. Apply the lacquer with a short-piled mohair roller generously so that the concrete surface is sealed. If the coated surface is moist, TEKNOFLOOR PRIMER 306F-01 epoxy lacquer may be used in priming.

3) Coating  
The coating is applied 6–24 hours after priming, depending on the temperature. The base and hardener components are thoroughly mixed. It is recommended that a slowly rotating drilling machine equipped with a stirrer be used for mixing the components. The coating is applied by means of a steel float with 0.5 mm notches, which produces the recommended film thickness. The surface is smoothed down with a short-piled mohair roller. The coating can also be applied with a short-piled mohair roller producing a film thickness of 0.2–0.3 mm.

TEKNOFLOOR AQUA 110F and TEKNOFLOOR 500F have been classified as belonging to Group M1 in emission classification of building materials.



## Work safety

Sufficient ventilation must be ensured when solvent-based paints and lacquers are used. Also an approved face mask and other protective gear, including eye protection, gloves, protective clothing, and footwear, must be used. Protective gear and acid proof containers must be used when one is performing acid etching.

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## The Teknos Group

Teknos is one of Europe's leading suppliers of industrial coatings with a strong position in retail and architectural coatings, too.

Teknos has its own production in seven countries: Finland, Sweden, Denmark, Germany, Poland, Russia and China. In addition, Teknos has sales companies in 14 countries and exports to over 20 countries via a well-established network of dealers.

Teknos employs around 1000 staff. Group turnover is EUR 250 million. Teknos was established in 1948 and is one of Finland's largest family-owned businesses.

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