

## Polished Concrete Floors

Polished Concrete Floor is a technology, consisting of grinding, processing with reactive sealers and polishing of concrete floors. High-quality concrete is strong itself, but after long operation time the surface layer begins to wear off and dust. Surface grinding, hardening with reactive sealers and polishing significantly increase surface abrasion resistance and eliminate dust formation.

Production of hard polished floor involves a number of stages of diamond grinding by the planetary Grinding-Polishing Machines [GPM-400/500/750](#) in combination with processing with impregnating reactive sealers [SPEKTRIN](#).

The production process can be considered as complete after performance of any mechanical treatment phase with subsequent application of sealer according to the desired end result. The main advantages of polished concrete floor are no odor, absolutely dustless surface, and possibility of floor installation without business interruption.

If choosing polished concrete floor, you get not only durable, high-strength, shining and beautiful surface, but also low expenses for floor maintenance.

### TYPES OF POLISHED CONCRETE FLOORS:

POLISHED CONCRETE FLOOR "GLOSS"

POLISHED CONCRETE FLOOR "SATEEN"

POLISHED CONCRETE FLOOR "FALSE"

"TROWELLED CONCRETE"

**Polished Concrete Floor "GLOSS"** provides an impressive decorative appearance, has the highest abrasion and contamination resistance characteristics due to deep multi-level grinding that provides maximum opening of pores in concrete for better sealer penetration and greatest exposure of granite or other filler. The gloss level varies depending on polishing steps from high gloss to the maximum - the mirror gloss. Production of floor according to "GLOSS" technology is possible based on fresh concrete as well as old concrete floor. In the production process, diamond tools on metal and polymer bonds are used with grit starting from 16 till 3000.





This type of polished floor is a good choice in a wide range of applications from private premises, hotels halls, offices, showrooms and supermarkets to warehouses and distribution areas with high loads. It has an attractive appearance due to high gloss. Also it is possible to apply different decorative fillers on the floor.

**Polished Concrete Floor "SATEEN"** provides high strength and resistance to abrasion due to deep multi-level grinding, exposure of granite or other filler layer and surface treatment with sealer, but no further polishing is required. A standard set of used tools are diamond tools on metal bond with grit from 16 to 150.





It is a perfect option of floor for industrial, manufacturing and warehouse premises with high operating loads. It has excellent durability, dust free surface and low maintenance costs.

**Polished Concrete Floor "FALSE"** does not require removal of weak concrete surface layer, so called laitance, with help of rough grinding with diamond tool on metal bond. Only light grinding with grit 60-150 is required, where granite filler is not exposed, but surface pores are opened for better penetration of impregnating sealers with subsequent polishing to the required gloss degree.





This type of floor has lower resistance to abrasion and a relatively shorter lifetime. It can be used for areas with light foot traffic, requires repeated application of impregnating sealer after a certain period of time.

**"TROWELLED CONCRETE"** is the fastest installation technology of new industrial floor with good characteristics. It requires an overall spreading of hybrid liquid hardeners [SPEKTRIN PLUS](#) or [SPEKTRIN LITHIUM PLUS](#) on fresh concrete during and after troweling by blades without subsequent polishing. Sealers can also be used in combination with dry hardeners - toppings. Consumption of impregnation / hardener may vary from 150 to 200 ml for [SPEKTRIN PLUS](#) and from 50 to 70 ml for [SPEKTRIN LITHIUM PLUS](#) per one square meter, which indicates sufficiently low expenses for the material when making floors according to this technology.





This is a practical and strong cover for industrial applications. It allows making floors at large areas in the shortest possible time. It does not require diamond grinding and polishing.