

# PROTECTIVE PAINTS FOR INDUSTRIAL FLOORING

## Protective paints

### APPLICATION DATA SHEET

Protective coatings of floors with resins:

1. Priming;
2. transparent protection;
3. Joint treatment;

They are not directly paintable and require the preparation of a new thick primer, well adhered to the original substrate:

- concrete or resin substrates with planarity and regularity defects to be repaired;
- substrates deteriorated due to mechanical actions that they are unable to withstand;
- substrates without vapor barrier (in case of floors not equipped with a vapor barrier, painting is subject to the application of a self-leveling or trowelable epoxy cementitious primer);
- substrates subject to activities characterized by the release on the floor of oily substances (in such cases it is recommended to mill and degrease with hot water and soda)

Industrial concrete floors can simply be "painted":

- mechanically adequate to withstand the operating loads;
- equipped with a suitable vapor barrier;
- no planarity and regularity defects (or characterized by planarity defects or surface irregularities which, in relation to the specific use, it is not essential to correct)

### 1) PRIMING

Application of Kimicover FIX primer with adhesion promoter function and consolidation of the substrate. It can be made after applying (with a suitable means, to be chosen according to the desired aesthetic effect: brush, short-haired roller, sponge, rubber spatulas, etc.), of:

- two-component non-toxic epoxy resin, solvent-free Kimitech K40 NF respecting the

consumption indicated in the Technical Data Sheet.

- Kimicover 301 NF colored two-component solvent-based polyurethane resin, respecting the consumptions foreseen by the Technical Data Sheet.
- Kimitech HLA self-leveling epoxy resin, unfilled, respecting the consumptions foreseen in the Technical Data Sheet.

Each coat must be applied waiting for the previous layer to dry (at least 24 hours), not 48 hours (should a longer period of time pass, before applying the resin, sand and vacuum carefully).

It will be possible to obtain a non-slip finish, roughening the floor by dusting the still fresh resin coat with quartz sand. In particular, using 180 g/m<sup>2</sup> of Kimifill 1F, a DIN 51130-04 slipperiness value equal to R13 is obtained (on a scale from R9 to R13 where R13 indicates the least slippery product); using 100 g/m<sup>2</sup> of Kimifill 0.1-0.3, a DIN 51130-04 slipperiness value equal to R12 is obtained.

### 2) TRANSPARENT PROTECTION

The application of a final transparent protective coat is aimed at to improve the scratch and wear resistance of Floors, to ensure ease of cleaning and adequate gloss or opacity, to increase resistance to chemical aggression. The application of a transparent protective coat must always be provided for in case of using Kimitech K40 NF or Kimitech HLA, and in general on coatings subject to chemical attack, or for which easy cleaning, decontaminability is required.

After a maximum of 24, proceed with sanding and vacuuming the support (or just vacuuming the quartz not incorporated if you have chosen an anti-slip finish) and apply as a transparent protective Kimifloor ECO-FINITURA PLUS respecting the consumptions foreseen by the Technical Data Sheet.

### 3) JOINT TREATMENT

The intervention will be concluded with the cutting of the joints and the sealing with Tecnoseal 88 two-component self-leveling polyurethane sealant or Tecnoseal 130 cartridge, elastic and drive-over, with excellent resistance to abrasion and hydrocarbons. In the case of joints with a width greater than 5 mm, the sealant will be applied after positioning in the support joint in closed cell polyethylene such as Ethafoam or similar.