

EUCO FLOORTOP INDUSTRIAL FLOORING SYSTEM

Description **EUCO-FLOORTOP** is an industrial flooring system designed for use in the most severe conditions. It is resistant to corrosive and oxidizing chemicals with high abrasion resistance, compressive and tensile strength. Heavy traffic, continuous soaking in water, salts, oil, organic and inorganic acids, alkalis and many solvents have little effect on durability.

Main purpose As high resistant antislip flooring in breweries, bakeries, canneries, chemical factories, dairies, flour mills, hospitals, kitchens, garages, parking, schools, shops, warehouses etc.

Advantages

- antislip
- waterproof
- resistant to acids and alkalis
- high compressive and flexural strength
- impact resistant for example; it's used for the front wall of the squash court.
- abrasion resistant
- good freeze - thaw resistant
- not harmed by continuous soaking of grease, oil and water
- high bond strength and low shrinkage
- low maintenance
- easy installation

Composition **EUCO FLOORTOP** is a two component product.
EUCO FLOORTOP P (powder) is a powder component with selected, specifically graduated aggregates and pigments.
EUCO FLOORTOP L (liquid) is a special developed liquid component to be used in combination with **EUCO FLOORTOP P**.

Properties	EUCO FLOORTOP P	EUCO FLOORTOP L
Appearance	powder	liquid
Colour	depends on desired colour	white
Specific gravity	2,8	1,0
Viscosity	-	max. 200 mPas
PH - value	-	9,2 - 10,5
Shelf life	up to 2 years	up to 2 years

Instructions for use

Surface preparation

Where the existing floor is old or dirty, it is essential to remove all contamination such as oil, grease, paint etc. to ensure adequate development of bond, when **EUCO FLOORTOP** is applied, any unsound concrete must also be removed. An efficient way of preparation on old floor is to use a mechanical scabber to remove all unsound materials. For new floors, it may still be desirable to remove the upper surface to ensure, that weak surface laitence is not present.

A light scabbling will normally suffice.

Priming

The application of a priming coat is normally recommended to obtain maximum adhesion of the subsequently applied mortar. The prepared floor should thoroughly be damped with water; hosing is suggested by removal of excess standing water. A priming coat, consisting of two parts of ordinary. Portland cement (or **EUCO FLOORTOP P**) stirred with one part of **EUCO FLOORTOP L** should then thoroughly brushed into the floor using a stiff broom. The topping is applied whilst the priming coat is still wet.

Application

Mixing should be preferably carried out in a concrete or mortar mixer.

The mix design is as follows:

EUCO FLOORTOP L	25 kg	This mix is for approx.
EUCO FLOORTOP P	250 kg	12-13 m ² /1cm thickness

The usual procedure is to premix the silica sand with **EUCO FLOORTOP P** and then adding **EUCO FLOORTOP L**. If necessary add water little by

little until the required consistency is achieved. Do not add too much water.

The mixed **EUCO FLOORTOP** mortar looks dry, but should be easily compacted.

After mixing, the **EUCO FLOORTOP** mortar should be poured over the still wet priming coat and struck off. It may then be compacted and be trowled to the required finish. An experienced floor layer will readily achieve a finish of satisfactory smoothness without having to do any further trowling. However, as an alternative procedure, it is possible with care to carry out further trowling after a suitable interval when initial stiffening of the mortar has commenced. A clean steel trowel is recommended for this operation. In case of current air, or high temperature (over 25oC) the fresh mortar has to be protected against drying out during the hardening period .

Consumption The standard thickness of **EUCO FLOORTOP** is 10 mm.
For 10 mm thickness the consumption per m2 is approx. as follows:-
EUCO FLOORTOP L 1 kg
EUCO FLOORTOP P 10 kg

Colours **EUCO FLOORTOP** is available in the following standard colours:-
- Gray - Brickred
- Yellow - Green
- Brown
- other colours on request

Technical data

Compressive strength	1 day approx. 20-25 N/mm2. 7 day approx. 38-42 N/mm2. 28 day approx. 52-55 N/mm2.
Flexural strength	1 day approx. 5 N/mm2. 7 day approx. 10 N/mm2. 28 day approx. 15 N/mm2.
Abrasion resistance (Bohme) (DIN 52-108)	cement mortar 20,9 cm3/50 cm2. EUCO FLOORTOP 9.8 cm3/50 cm2.
Density	2,2 - 2,4 kg/L
E-module (DIN 1048/3)	23'000-27'000 N/mm2
Adhesion to concrete	2,0-2.5 N/mm2
Chemical resistance	hydrochloric 10 % nitric acid 10 % Caustic soda 10 %