

DUROCHAPE

Non slippery, acrylic floor

Application guide

I. General application conditions

Supporting surface can be a monolith concrete floor, an estrich or any levelled surface.

Supporting surface must be of 14 days, at least of 3,5 MPa tensile strength and at least of 25 MPa compressive strength. Levelled surfaces must be roughened.

Supporting surface must be clean and rough, free of loose parts and materials prohibiting bonding. Too smooth or contaminated surfaces should be roughened.

Job site should be closed, protected from wind and sun. Outside application is not recommended. All problems resulting from not respecting these conditions are to be resolved by the applying company.

Optimal application temperature: between +5 - 25 °C.

All slopes should be pre-formed in the supporting surface.

II. Application

1. Preparation

The surface must be clean and oil free. Before application the surface should be rinsed with water so that pores can be filled with water. When applying the bonding agent, the surface must be wet, but be free of water spots.



2. Preparation of bonding agent

The Durochape floor system consists of 2 components:

A component: - synthetic resin emulsion

B component: - mineral hydraulic dry mortar with additives and pigments

To make one portion of bonding agent you will need 8 litre of A component and 25 kg (one bag) of B component. Mixing should be made having homogeneous slurry. This quantity is for about 30 m².

Bonding agent should be filled onto the surface and be broomed evenly with a brush.

Important: Durochape mortar can be spread only on wet bonding agent, so you should apply bonding agent on a surface that will not dry until Durochape spreading.



3. Applying Durochape mortar

To prepare Durochape mortar, a vertical axle mixer should be used. In the absence of this, you can use a concrete mixer, but in that case, pay attention to have an evenly mixed mortar.



To make the mortar, mix the A and B component in a proportion of 1:10. That means that every bag of 25 kg, should be mixed with 2,5 litre of resin. When mixing, first prepare a weak mixture, then add gradually the rest of the dry mortar. Mixing duration is about 2-3 minutes. Mixing is proper when having a dense, dry paste that will not stick to your fingers.

Durochape mortar is of very dry, nearly of „ground-wet” consistency. To handle it more easily (in case of hand made finishing) you can add a little water to the mortar during mixing, but please note, that it will reduce the resistance to pressure of your floor.

Important: If you add any water during mixing to the mortar, please pay attention to have the same ratio for every mixing to have a consistent colour of floor.

Durochape mortar should be spread evenly on the wet bonding agent. To adjust a certain level of the floor, you can use strip of mortar.

Levelling should be made with a metal levelling bar. After levelling you can compact the material with a finishing machine.



Finishing with the machine will bring the fine parts of the mortar to the surface closing the surface in that way.

The whole finishing surface can be made by hand as well. In that case it takes longer, that means you can make less surfaces within a day.

Depending of the way of finishing 50-100 m² of Durochape floor can be made per day.



Important: When finishing or by hand or by machine, the surface can be humidified, but ONLY with A component. Water spray on the surface will cause white stains.

Durochape floor is not needed to be cut, but when supporting floor is cut, than Durochape floor must be cut as well. To fill the joints, any filler meeting floor requirements can be used.

II. First use

At 20°C temperature Durochape floor can be used after 24 hours for pedestrian traffic, after 48 hours for light traffic.

Final strength and colour will be achieved after 28 days.

Important: During the first 48 hours the floor must be protected from water. Water will cause white spots on the floor.

