

Industrial floors - Step by step

Long strip construction:

It has been used by many contractors for many years with great success to produce floors of good quality for all purposes. In principle, the floor is laid in a series of up to 9 m wide strips. For convenience, strips are generally laid alternately, with an infill strip placed the next day or later, depending on the rate of concrete strength gain and programme requirements. The relatively narrow width of strip in this method makes it particularly suitable where the flattest floors are required.

Large area construction:

Large areas of laser controlled floor laying can be completed each day by the large bay technique and more recently with laser screed placing of the concrete slab. These methods of construction are suitable only for floors for low storage and wide aisle warehousing where flatness is not so important.

Floors, which may have been considered satisfactory by the user would have significantly, better values than those considered unsatisfactory, while there would also be significant differences in value between categories of floors which had fundamentally different uses.

7 STEPS TO MAKE INDUSTRIAL FLOOR



1) Concrete should be laid down and compacted with a specially designed precision engineered vibrating screed which allows to vibrate the concrete up to 30 cm of depth. Vibration can be adjusted according to the slump of the concrete.



2) When an automatic spreader is used in conjunction with a laser screed, Dry Shakes are spread evenly onto the concrete immediately after screeding. With a manual application Dry Shakes should be sprinkled onto the screeded concrete in 2 stages. In both cases each application of Hardener should be leveled and worked into the concrete using a BUMP CUTTER SCREED.



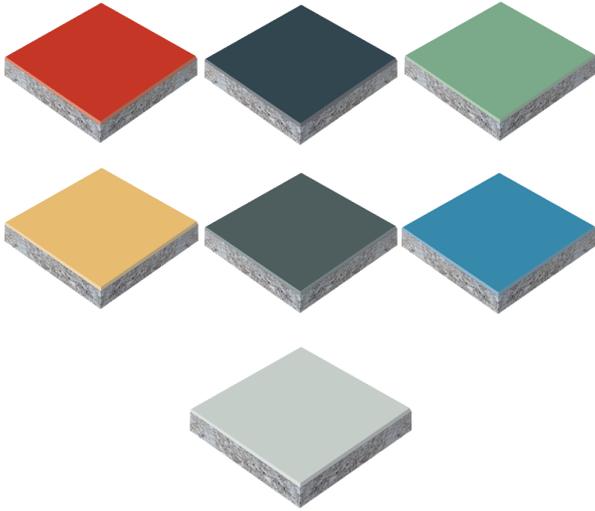
2.5) Optionally you can spread hardener with a Bautech seeder.



3) When the concrete can just take the weight of an operator leaving a slight imprint on the surface we can start to power float. To achieve best monolithic result, first power floating must be done by using (disc, pan) followed by finishing by repeated passes of a power trowel with blades until a flat hard and shiny finish is produced.



4) Final finishing to close pores and remove undulations can be achieved either by walk behind trowel or riding trowel.



5) Immediately after finishing, spray apply BAUSEAL ENDURO-acrylic sealer to the surface to give curing and sealing treatment to the floor.



6) Next step in producing monolithic industrial floor is cutting construction and shrinkage joints.



7) The final step is treating construction and shrinkage joints with BAUFLEX JOINT SEALANT SYSTEM.



Final effect