



Technical data sheet

PROTECTION MADE EASY

Durofloor

Description and destination of the product

Durofloor is a two-component floorcoating for interior paintwork based on polyurethane resins. **Durofloor** is a topcoat for floor systems (on top of *Solfix, Polyfloor Primer, ...*) that is thanks to the dispenser machine available in a lot of colours. Therefore **Durofloor** is used as topcoat all over the floor as well as marking or signal paint.

Durofloor has a high abrasion, scratch and chemical resistance. The good surface hardness, covering and flow properties provide a nice smooth finish.

Type of binder

Polyester polyols in combination with an aromatic polyisocyanate hardener.

Colour

All RAL, NCS, BS, TVT colours.

Gloss

Satin.

Technical data

- **Density:** 1.15 (\pm 0.05) g/cm³
- **Solids content:** 66 (\pm 3) % by weight
54 (\pm 3) % by volume
- **Mixing ratio:** 2.3/1 in volume
Mixing errors result in deviating properties and differences in gloss. Therefore we advise to mix the complete contents of base paint and hardener.
- **Potlife:** \pm 4 hours
- **Drying times:**

Dustdry	:	1.5 hours
Tackfree	:	4 hours
Hard	:	24 hours
Passable	:	after 1 day
Full resistance	:	after 7 days
- **VOC:** < 390 g/L

- **Theoretical yield:** 6-10 m²/L depending on the porosity of the surface
The practical yield can largely be influenced by the roughness and porosity of the substrate, the applied layer thickness or the losses by airless application.

Surface preparation

Durofloor is always used as topcoat on top of a suitable priming coat (*Solfix* or *Polyfloor Primer*) or another polyurethane or epoxy floorcoating. It is best to recoat the previous layer with **Durofloor** within 3 days.

The primer coat must be clean, i.e. free of grease, oil, impurities and dust. These can be removed with a detergent solution and/or a cleaning with *Thinner 1*. If the coating that has to be overcoated is glossy, the coating should be roughened up after the thorough cleaning in order to assure a good intermediate adherence.

Curing compounds on polyconcrete must always be removed by track blasting. Laitance on new concrete must always be removed by

- mechanical etching with undiluted hydrochloric acid (3 L hydrochloric acid in 10 L water). Let dry for 10 minutes and rinse thoroughly with water.
- by track blasting.

Use

Add the *Hardener for Durofloor* to the base and mix well.

Mixing ratio base/hardener: 2,3/1 (in volume)

Durofloor can be applied without problem in one or two layers (depending on the porosity and colour

of the surface) by brush or roller. **Durofloor** is delivered ready for use. If a dilution is required and the

material has to be cleaned, *Thinner 1* can be used. The minimum waiting time between two layers of

Durofloor is 8 hours. It is necessary to sand between two layers in order to ensure the interlayer adherence. For shorter waiting times (8 to 48 hours) sand with a fine grain (for example Scotch-brite type SF-Cibo) and for longer waiting times (longer than 2 days) sand with a coarser grain (for example

Scotch-brite type SM-Cibo).

Application conditions

Durofloor can be applied at temperatures of minimum 12°C and an air humidity of maximum 85 % in a good ventilated room.

Storage stability

For the base paint : minimum 2 years in the original, unopened packing, stored in a dry environment at temperatures

between -10°C up to +40°C.

for the hardener : Minimum 18 months in the original, unopened packing, stored in a dry environment at temperatures

between -10°C up to +40°C.

Safety measure

For detailed information about safety measures, personal protection and transport data of this product, we refer to the safety data sheet.

The last update of our technical data sheets is always available at our website: www.libertpaints.be

Disclaimer

The information given in this technical data sheet is only a general product description, based on our experiences and tests and therefore does not represent a specific practical case. Consequently Libert Paints doesn't guarantee the functionality or result and takes no responsibility in this respect.

We advise our clients to test the applicability of the product to the nature and the state of the surfaces and to carry out the necessary representative tests in case of doubt. Please contact our R&D department as the occasion arises.

Attention: our clients should verify whether the present technical data sheet hasn't been replaced by a more recent version.