



Technical data sheet

PROTECTION MADE EASY

Monofloor PU 60

Description and destination of the product

Monofloor PU 60 is a one-component floor paint for indoor applications based on urethane-modified alkyd resin.

The product can be applied to most mineral substrates without specific primer. **Monofloor PU 60** can also be used for the renovation of existing floor paint (if the lower layer is solvent resistant).

Monofloor PU 60 is characterised by quick drying, good hardness and good yellowing resistance.

Type of binder

Urethane modified alkyd resins

Type of pigment

Specific colour pigments and fillers

Colour

Can be pigmented with suitable pigment pastes

Gloss

Byk-Gardner 60°: 60 (±10) satin

Technical data

- **Solids content:** 50 (± 3) % by volume
62 (± 3) % by weight
(Depending on the colour)
- **Pot life:** Not applicable - one component
- **Density:** 1.05 (± 0.05) g/cm³
- **Theoretical yield:** 8 to 10 m²/L (50µm DFT)
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.

- **VOC:** <420 g/L (undiluted)
Category A/i
Norm 2010
- **Indicative drying times (20 °C) for 60 micron layer thickness**
 - Tack free after: 1 hour
 - Dry after: 5 hours
 - Dry to handle: after 1 day
 - Light traffic: after 3 days
 - Full resistance: after 7 days
 - Recoatable: after 24 hours minimum – 48 hours maximum without intermediate sanding

Surface preparation

The substrate must be clean and dry (containing less than 5% moisture).

Dirt, loose particles and other contaminants must be removed. This may be done by high-pressure cleaning.

Curing compounds in case of **poly-concrete** should always be removed by shot blasting.

On **new concrete** the laitance should always be removed by:

- chemical etching with dilute hydrochloric acid (3 L hydrochloric acid in 10 L water); allow to soak for 10 minutes and rinse thoroughly.
- or by shot blasting.

Old layers of paint: roughen up first before repainting

Use

Monofloor PU 60 apply with roller or brush. **Monofloor PU 60** is delivered ready for use, when used as a finishing coat.

Monofloor PU 60 can also be used as **primer** on porous substrates, such as concrete. For this purpose, the product must be diluted with 10% **Thinner 20**.

The minimum waiting time between the application of two coats of **Monofloor PU 60** is 24 hours. If the waiting time between two coats exceeds 48 hours, then intermediate sanding (fine grain) is recommended to obtain good adhesion.

- **dilution table:**

	Thinner: <i>Thinner 20</i>
Use as a primer	10%
Use as a finishing coat	0%

We recommend cleaning equipment with **Thinner 20**.

For the right material choice of rollers or brushes, we recommend you to seek advice from specialist suppliers.

Application conditions

The relative humidity may not exceed 85% while the temperature of the surface, upon application, should be at least 12 °C and 3 °C higher than the dew point. Temperature and relative humidity must always be measured in the direct vicinity of the substrate to be coated. **Monofloor PU 60** must be applied in a well-ventilated space.

Storage stability

A minimum of 2 years in the original, unopened package, stored in a dry environment at temperatures between -20 °C to + 40 °C.

Keep the cans tightly closed in order to avoid drying out and skin formation.

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.com

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. No liability on the part of Libert Paints can therefore be inferred from this.

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.