



# Technical data sheet

PROTECTION MADE EASY

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## Durotane SH 60

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### Description and destination of the product

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**Durotane SH 60** is a two-pack solventfree polyurethane self-levelling coating. **Durotane SH 60** is characterized by its elastic properties which prevent damaging by brittleness.

Thanks to the high reactivity a good curing is obtained, even by low temperatures. The phases to be mixed are solventfree and cure without shrinking.

**Durotane SH 60** is applied as jointless, abrasion resistant coating for various surfaces such as floors of trucks, mobile units and workshops.

### Type of binder

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Polyisocyanate prepolymer and polyols, fillers.

### Type of pigment

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Inorganic/organic colour pigments.

### Colour

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Numerous RAL colours for quantities > 50 kg.

### Gloss

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Glossy

### Technical data

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- **Density:**

Density A	:	1.64 kg/L
Density B	:	1.18 kg/L
Density A+B	:	1.55 kg/L
- **Solids content:** 100 % in weight and volume
- **Mixing ratio:** 83 parts A / 17 parts B (in weight)  
Mixing errors result in deviating properties and differences in gloss. Therefore we advise to mix the complete contents of base paint and hardener.
- **Potlife:** 35 minutes at 20°C (when there is a temperature difference of 10°C the potlife is halved or doubled).

- **Drying times:**

Dustfree	:	After 2 hours
Tackfree	:	After 6 hours
Walkable	:	After 12 hours
Recoatible	:	After 24 hours
Fully cured	:	After 7 days
- **VOC:** 0 g/L
- **Theoretical yield:** 0.64 m<sup>2</sup>/kg or 1.55 kg/m<sup>2</sup> for 1 mm film thickness  
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

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The surface must be clean, dry (< 5 % moisture) and free of grease.

**Libert Paints strongly recommends to track blast the surface always in order to obtain a good mechanical fixing of the coating.**

Apply 1 coat of **Durotane Primer Textur** as impregnation coat.

## Use

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After drying of the primer (24 hours) the self-levelling coating can be applied as follows:

- Open the cans with component A and B
- Add the whole content of component B to component A
- Mix both components mechanically (at a low speed to avoid air entrapment) during 2 minutes to obtain a smooth mixture. We advise to use a stirrer of the type Collomix WK 120 s (see [www.colomix.de](http://www.colomix.de)). The use of this type of agitator avoids air entrapment during stirring.
- Pour the mixture again and stir slowly and briefly
- Apply the coating by pouring. The coating is spread over the surface with a spatula (doctor knife). Then the coating is thoroughly de-aerated with a de-aerating roller
- The applicator must wear "spiked" shoes
- Recommended layer thickness: 1 to 2 mm

**Durotane SH 60** can be completed with **Polytop Satin** (preferably in the same colour of **Durotane SH 60**). The application of a coat of **Polytop Satin** on top of **Durotane SH 60** offers the following advantages:

- the coating does not yellow (aliphatic top coat)
- the coating has a good mechanical resistance (recommended for strongly mechanical loaded surfaces)
- the coating has a satin gloss.

By using a yellow aromatic hardener, a color difference will be possible in light colours.

It is recommended to always apply a topcoat on **Durotane SH 60** such as **Mixtane Roller**, **Oxypaint SL Floor** or **Polytop Satin** to obtain a scratch resistant system.

## Application conditions

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Processing temperature: minimum 10°C and maximum 30°C.

Relative humidity: minimum 40 % and maximum 85 %.

Temperature of the surface: minimal 3°C higher than dew point temperature.

## Storage stability

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Maximum 6 months in the original, unopened packing, stored in a dry environment at temperatures between  $-20^{\circ}\text{C}$  and  $+40^{\circ}\text{C}$ .

## Safety measure

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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](http://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. 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.*