



**FLORTECH**  
FLOORING TECHNOLOGY

# FLORCOAT 801

*2 comp, EP advanced resin based coating, solvent free, coloured, gloss.*

## PRODUCT DESCRIPTION

**FLORCOAT 801** is a coloured, two-component, water vapour permeable, advanced resin based coating with low/no odour and low emission of VOC (volatile organic compounds). It provides a hard wearing and impervious surface that is easily cleaned and highly resistant to fuels and lubricants as well as most solvents and many chemicals.

This product shows a good UV stability and weather resistance compared to traditional epoxy systems.

## FIELD OF APPLICATION

**FLORCOAT 801** is designed for use as a protective coating on concrete, block work, brick, steel, timber and laminate surfaces.

It is recommended for use in situations subject to water condensation, high water pressure cleaning and vehicular traffic. It is also recommended for use as a wall coating in food and pharmaceutical manufacturing environments.

## FEATURES AND BENEFITS

- **Chemical resistant** – to petroleum oils, solvents and commercial cleaning agent.
- **High solids** – durable, higher dry film thickness.
- **Good adhesion** to concrete and most building material and other coating or topping systems.
- **High water vapour permeability** – does not blister in situation subject to hydrostatic pressure.
- **Water impermeable** – waterproof.
- **Low / no odour** – does not taint food.
- **Solvent free** – non-flammable, non-toxic and environmentally friendly.
- **Low VOC emission**
- **Easy application** – by roller or airless spray for fast installation.

## TECHNICAL DATA

<b>Solid content</b>	A + B	74 %
<b>Density</b>	at 25 °C	1.37 g/cm <sup>3</sup>
<b>Viscosity</b>	at 25 °C	1200 – 1600 mPas
<b>Adhesive strength</b>	DIN ISO 4624	> 1.5 N/mm <sup>2</sup> (concrete failure)
<b>Working time</b>	at 25 °C at 30 °C	approx. 25 min approx. 20 min
<b>Material consumption</b>	on smooth surface on broadcasted surface	250 – 300 g/m <sup>2</sup> 400 – 600 g/m <sup>2</sup>
<b>Application temperature</b>	min 3 °C above dew point	10 – 30 °C
<b>Cure time to withstand :</b>	at 25 °C : foot traffic : high pressure cleaning : water immersion	after 6 – 8 hours after 3 days after 7 days
<b>Packaging size</b>	22 kg	Part A : 17.8 kg Part B : 4.2 kg
<b>Mixing ratio</b>	A : B	100 : 23.6
<b>Overcoating</b>	at 25 °C	within 24 hours.
<b>Appearance</b>	gloss, coloured	
<b>Shelf life</b>	12 months in closed original container.	
<b>Storage</b>	dry and frost free at 10 – 30 °C, avoid direct sunlight.	
<b><i>Above figures are guide values and should not be used as a base for specifications!</i></b>		

## APPLICATION METHOD

### 1. SUBSTRATE PREPARATION

The substrate must be firm, clean, dry and have a pull off strength of 1.5 N/mm<sup>2</sup> minimum.

Concrete substrate should have no ponded water. The moisture content in the substrate is not relevant.

The product can be used on fresh concrete as a curing compound (water will stay in concrete long enough for curing of concrete to gain the desired strength).

Repair imperfections (holes and cracks) with an epoxy patching compound such as **FLORPRIME 112** where necessary.

Remove surface laitance, contaminants, coating, curing compound and all weak and loose materials.

Prepare substrate by Captive Shot Blasting or Diamond Grinding to provide the appropriate surface profile for optimum mechanical interlocking.

For the newly laid laminate, no surface preparation is required if less than 24 hours old. A light sanding is required if the laminate surface is over 24 hours old.

### 2. APPLICATION

Before starting the application, the material temperature must be close to site conditions.

Mix Component A for 2-3 minutes.

Empty contents of component B (Hardener) into component A (Base Resin). Mix with a suitable mixer at a speed of 500 rpm to avoid incorporating excessive air into the mix. Mix for 2-3 minutes.

Transfer the mixture into another clean container and mix for 1-2 minute.

It is recommended to dilute the product with maximum 3% water before use.

Spread the mixed product onto the surface with a squeegee or trowel and back roll with a short nap roller in a criss cross manner.

It is recommended to apply a seal coat of polymer wax to seal the surface to avoid dirt pick-up.

Do not apply too thick and do not allow any puddling. Provide good ventilation to ensure that the relative air humidity does not exceed 80% during application and curing as it will inhibit evaporation of water and affect cure.

Apply **FLORCOAT 801** a second time if coverage is insufficient.

For cleaning of tools and other contaminations use water.

### 3. OVERCOATING

The second coat can be applied within 24 hrs without grinding. If longer, the surface has to be grinded before over-coating.

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*As all FLORTECH data sheets are updated on a regular basis, it is user's responsibility to obtain the most recent issue. Hard copies are available upon request.*