

TECHNICAL DATA SHEET

GLOW POLI Fluorescent 2K polyurethane Paint series

Description

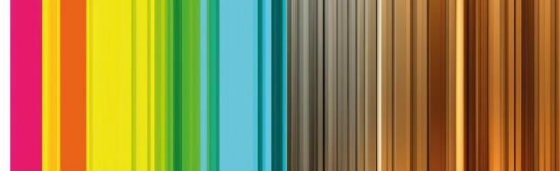
We present GLOW POLI fluorescent paints from SPLinx with a fluorescence effect. These are two-component decorative paints with exceptionally vivid, high-intensity colors, exhibiting strong reactivity to ultraviolet (UV) light. The system consists of a polyurethane base containing fluorescent pigments and a hardener based on aliphatic isocyanate. Fluorescent paints are visible in daylight as neon, energetic colors and additionally emit intense light in darkness under UV illumination (so-called *blacklight*). They do not store light and do not emit it autonomously – the effect occurs exclusively in the presence of a light activator.

GLOW POLI fluorescent paint is an excellent choice for artistic, exhibition, sports and scenographic projects, as well as for specialist applications, e.g. marking of objects, vehicles, installations or equipment components. The paint forms a durable coating resistant to weather conditions and mechanical damage. It can be applied on metal, concrete, wood and plastics.

The product is available in 0.5 kg and 1 kg sets (base + hardener).
Standard fluorescent colors:

- lemon
- green
- blue
- red
- yellow
- pink
- violett
- orange

*The data contained in this data sheet are based on information provided by raw materials suppliers and our own researches.
They have merely information nature. Tests must be definitely carried out before final work.*



Do you have specific color requirements? Contact us – we will prepare a solution tailored to your project.

Characteristics

- fluorescent – neon, pure colors in daylight, intense emission under UV
- high abrasion resistance
- surface easy to keep clean

Application

Ensure that the surface to be coated is clean and dry. The ambient temperature, substrate temperature and paint temperature during application and drying must not be lower than +5°C. The steel temperature should be at least 3°C above the dew point temperature. Relative humidity must not exceed 80%.

Before application, thoroughly mix the base and the hardener separately. Then combine the components in a 5 (base) : 1 (hardener) ratio and mix thoroughly, preferably using a mechanical stirrer. The prepared mixture remains usable for approximately 4 hours at an ambient temperature of 23°C.

The paint can be applied by brush or by conventional spray application. For brush application, thinning is permissible as required; for spray application, a thinner may be added to achieve a viscosity of 20–25 s DIN4. It is recommended to use a spray gun nozzle with a diameter of 1.2–1.8 mm and an air pressure of 4–6 bar.

To achieve the best coating quality, it is recommended to first apply a thin preliminary layer (mist coat) and, after 5–30 minutes, once the solvents have evaporated, apply the main coat.

Actual product coverage depends on ambient conditions (temperature, humidity), application technique and the structure of the substrate.

Dry film thickness (DFT): 40 µm

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Table. Drying times depending on ambient temperature (T)

T [°C]	+5 °C	+10 °C	+25 °C	+35 °C
Dust dry after [min]	45	30	20	10
Touch dry after [h]	12	8	4	2,5

Substrates

Substrates requiring high mechanical strength, including concrete, metal, wood and plastics. Concrete substrates should be primed with an epoxy or polyurethane primer. Testing prior to final application is recommended. In all cases, contaminants must be removed from the substrate. If required by the application, any defects in the primer layer should be repaired and/or the surface washed and dried.

Storage & Handling

Store the base and hardener in original, sealed containers, protected from frost, heat sources and direct sunlight. Storage temperature range: 15°C – 23°C. Shelf life: up to 5 months from the production date. It should be noted that repeated opening shortens the paint's service life. Pot life of mixed base and hardener: approximately 4 hours at 23°C.

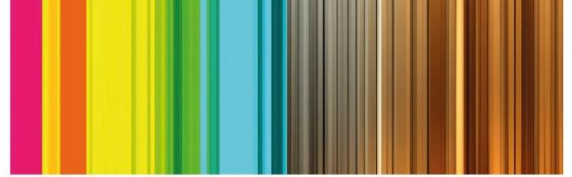
Auxiliary Products

Thinners for polyurethane paints.

Health & Safety

Recommended chemical handling precautions apply. Detailed information is provided in the Safety Data Sheets for individual products in the range. During application and after completion, the room should be ventilated until odours dissipate; in case of insufficient ventilation, respiratory protective equipment should be used.

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Exercise caution when disposing of decorative paint waste, in accordance with applicable regulations and guidelines.

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