

# The Advanced Material

## The Significant Differences...

### PRODUCT DATA SHEET

Rev. 1/04.05

## SUREGLOW 99 AC SUREGLOW 99 PU LUMINESCENT MARKING PAINT

#### DESCRIPTION

**SUREGLOW 99** is an Acrylic or Polyurethane based paint filled with special photo luminescent pigment. The special pigment will adsorb energy during its exposure to light sources and will automatically glow in the dark. This special material has very long after glow if it has absorbed sufficient energy. It is the most reliable evacuation marking for buildings because of its independence of the power source. The duration of after depends on the energy and intensity of the light source. For a 30 minutes exposure to fluorescent lamp, the expected duration of afterglow is about 30 minutes to an hour.

#### RECOMMENDED USES

**SUREGLOW 99** is recommended for emergency exit or evacuation marking for buildings and warehouses. It can be used for marking fire escape in high-rise buildings to show the direction during emergency evacuation when the power supply is cut off as well as highlighting emergency equipment, alarm triggers and obstacles. It can be used for decorative purposes in disco or other entertainment outlets to create two totally different environments just by switching the lights on and off.

#### ADVANTAGES

- Excellent durability
- Extremely long afterglow. Some colours can last more than 5 hours.
- Visibility – Excellent visibility in dark places.
- Adhesion - Excellent adhesion to most substrates.
- Do not contain any radioactive materials.

#### PHYSICAL DATA

Finish : Satin / Matt  
Colour : Translucent colour.  
No. of Components : One for Acrylic and Two for PU  
Recommended : 50 to 100 microns DFT  
Thickness  
Theoretical Coverage : 5 m<sup>2</sup>/litre @ 100 microns DFT  
No. of coats : Two recommended  
Drying Time : Acrylic 45 minutes PU 2 hours  
Packing Size : 5 litres & 20 Litres  
Cleaner : PLC Cleaner # 2

#### APPLICATION INSTRUCTIONS

**SURFACE PREPARATION** : Remove oil or grease from surface to be coated with clean rags soaked in PLC Cleaner #2 in accordance with SSPC-SP1 or suitable detergent and high pressure water-jet for concrete surfaces. New concrete shall be allowed to cure for at least 28 days before application of sealer. All traces of laitence, shutter release or curing compound should be removed.

**PRIMER** : Polyurethane coating requires a suitable primer. PLC 318 EP or other suitable primer can be used.

**MIXING** : The special pigment used has very high specific gravity, materials must be mixed thoroughly before using and continue to mix regularly during application to avoid settlement of pigment.

**APPLICATION** : Can be applied by roller, brush or spray.

**THINNING** : Thinning is not required. For workability during spray applications, it can be thinned up to 10% with suitable thinner for workability.

**DRYING** : Allow to cure for at least 2 hours before re-coating.

**CLEANING** : Clean all tools and equipment with Cleaner #2 immediately after use.