

Phosphorescent – Glow in the Dark

Overview

Phosphorescent inks contain optically active pigments, which absorb light energy from any light source and then re-emits it as light – meaning the printed area will literally ‘Glo in the Dark’. (The emission time is directly dependant on the previous exposure time.)

The standard colour is yellow/green – but Blue/green is also available on special order

Phosphorescent inks are solvent based and are applied by the screen process.

They are primarily used for functional safety signs but can be used for a number of novelty decorative items such as Greetings Cards, Posters, children’s games etc.

Phosphorescent pigments have very poor covering power and will not print evenly over other inks, it is therefore recommended that they are applied directly onto the unprinted (but sealed if possible) plain white substrate and that the Phosphorescent image areas are always reversed out.

The high coating weight of ink laid down by the screen process is designed for decorative use only.

The surface of the printed Phosphorescent ink will be matt in appearance and will feel rough to the touch – to enhance and protect the surface and to give a glossy effect it is recommended that the sheets be overlaminated after the application of the Phosphorescent ink.

General Guidance

Do not use over areas that are to be folded, creased or trimmed.

Please also see ‘General Guidelines to consideration for UV varnishing and Lamination’