

Technical information about spot varnish | Silk-Screen

File delivery:

Vector graphic elements are better for large typefaces, rectangular areas or line work. They ensure a much sharper edge in print. Half-tone data can be used if necessary but be aware that we will alter the tonal values to make sure they fall within the technically printable range. We produce ourselves any films required for later production processes.

Silk Screen Manufacture:

The final quantity of varnish applied depends on the coarseness of the screen. Very fine design elements require a tighter screen weave, which in turn only allows a thin layer of varnish to be applied. We select the optimum screen coarseness according to the details of your design.

Special Characteristics:

Spot UV Silk-Screen varnishes are applied off-line, after the printing process, which means that minor registration tolerances are unavoidable. Silk-screen spot varnish is available in glossy or matte effect.

The width of lines or lettering strokes should not be less than 0.5 mm.

The chemical similarity between spot UV Silk-Screen varnish and Plexiglas explains the high degree of shine and scratch resistance.

Combinations:

Silk-Screen spot varnishes can be combined with other finishes such as foil stamping or convex embossing. We will be happy to advise you regarding the printing sequence and the subsequent file supply.

Restrictions:

From a technical point of view, smooth gradations are not possible and tend to cause streaks in the colour fade.

Dot tonal values can only be reproduced within the tonal range of 15% to 85%. Values under this range are not printable, above this range they blur uncontrollably.

All gold, silver, bronze and metallic tones can only be over printed with silk screen varnish if a coating of laminate has been previously applied. Without the laminate coating, the spot varnish has no adhesion.

UV Offset varnish can also not be overprinted with silk-screen spot varnish. Instead of using UV varnish, laminate should be applied here too, to ensure adhesion. On uncoated materials or those with porous surfaces, the level of glossiness is reduced and the varnish tends to crack.

Tips:

Spot UV Varnish can be used most effectively as letters or forms/shapes set onto on a single colour dark background.

Contrastingly, varnish upon small or boldly coloured letters & objects does not show up as effectively - often the spot varnish can only be seen when the light falls on it at a certain angle.

All technical specifications relate to internal, in-house manufacture. Should you have any further questions that have not been covered here or that need to be covered in greater detail, please get in touch with us.