

## Printvarnish HQ

**Deutsche Druckfarben Printvarnish HQ** are fully in line with our comprehensive range of sheetfed offset inks and to be applied via the inking unit. These high solids varnishes offer superb press stability, fast setting and drying on papers and boards and provide excellent scuff/ rub resistance. All varnishes are duct stable, non-yellowing and can be applied "wet on wet" or "wet on dry". Our **Printvarnish HQ** are based on a special combination of oils and are cobalt-free.

**Printvarnish HQ Mirror Gloss** is an ultra-high gloss overprint varnish which is suitable for lithographic printing and creates a "mirror gloss" finish. This product is ideally suited for enhancing the gloss and rub resistance of the final print.

**Printvarnish HQ Matt** is a high solids coating primarily designed as a matt overprint varnish to protect commercial litho print from the abrasive effects of coated papers and boards. It results in an intense matt finish.

**Printvarnish HQ Silk** is a special oil based coating primarily designed as an inconspicuous white, semi-matt silky over varnish to protect commercial litho print from the abrasive effects of matt coated papers and boards. Printvarnish HQ Silk is suitable for perfecting presses and has almost no build up on the perfecting cylinders. This Printvarnish HQ enables fast back up/ work & turn.

**Printvarnish HQ Hard-Dry** is a high solids coating primarily designed as an inconspicuous overprint varnish to protect commercial litho print from the abrasive effects of matt-coated papers and boards. It creates a hard dry surface with a semi-matt silky finish.

**Printvarnish HQ Neutral** is a coating primarily designed as a low-tack, inconspicuous over varnish with a clear transparent appearance to protect commercial litho print from the abrasive effects of matt coated papers and boards.

All varnishes are particularly effective in preventing marking and scuffing during cutting, creasing and bindery operations and can also be recommended as a problem-solving coating.

### Post Print Operations

Lamination over **Printvarnish HQ** is generally satisfactory and UV varnishing by litho or screen and solid or spot varnishing may be undertaken with care. It must be noted however, that the suitability of **Printvarnish HQ** for UV varnishing and lamination will often depend on several other factors introduced at printing such as absorbency of stock, drying and airing procedures, the coverage of ink and on the job, the degree of control of the litho process etc. Infra Red Drying should be avoided on jobs for UV varnishing.

The raw materials, and in particular the wax, selected for use in **Printvarnish HQ** have been chosen to minimise their effect on UV varnish and laminate adhesion.

The suitability of **Printvarnish HQ** for UV varnishing, foil blocking or gluing should always be tested before undertaking a full production run.

### Health & Safety

**Printvarnish HQ** when used correctly will not give rise to any significant hazard provided reasonable standards of industrial hygiene practice are maintained. For detailed information please refer to our Material Safety Data Sheet.

*This technical instruction sheet is designed for your information and reference. It is based on and conforms to our current knowledge. However as actual application is affected by many factors over which we have no control, we are not liable for printing failures.*