

## Printvarnish Hard Dry

Printvarnish Hard Dry is a high solids, vegetable oil based coating primarily designed as an inconspicuous over varnish to protect commercial litho print from the abrasive effects of matt-coated papers and boards. It is particularly effective in preventing marking and scuffing during cutting, creasing and bindery operations and is recommended as a problem-solving coating.

Printvarnish Hard Dry is packaged in 2kg cartridges, 190kg drums or 2.5kg internally sealed tins for maximum shelf life.

### Properties:

- Non-yellowing
- Semi-matt silky finish
- Fast drying on papers / boards
- Duct stable
- Excellent scuff / rub resistance

### Directions for use

For in-line or off-line use by litho or dry offset, Printvarnish Hard Dry is suitable for use over all colours *without the pigment bleed and fade* characteristics of water and glycol based coatings. It may be applied spot or as an all over solid.

It may be washed up using exactly the same cleaners and solvents used for removing inks from the press so there is no need to carry special stocks of pressroom chemicals. Printvarnish Hard Dry does not dry as quickly on the rollers as many other coatings and sealers and is easier to clean. Printvarnish Hard Dry sets quickly and dries reliably, even when emulsified with damping solution, and provides an attractive, durable, silk finish to coated and uncoated substrates alike.

Printvarnish Hard Dry is easy to use, applied exactly like a conventional machine overprint varnish and is sufficiently press-stable to offer ease of handling at the press-side consistent with good drying properties.

### Post Print Operations

Lamination over Printvarnish Hard Dry is generally satisfactory. Foil blocking and U.V. varnishing may be undertaken with care - although this is not recommended. These finishes must be selected to be able to adhere to the tough rub resistant surface of Varnish Hard Dry . It must be noted however, that the suitability of Printvarnish Hard Dry for U.V. varnishing and laminating will often depend on several other factors introduced at printing such as absorbency of stock, drying and airing procedures, the coverage of ink and sealer on the job, the degree of control of the litho process etc.

Printvarnish Hard Dry is recommended where UV varnishing is used regularly.

The suitability of Printvarnish Hard Dry for U.V. varnishing, foil blocking or gluing should always be tested before undertaking a full production run.

### Health & Safety

Printvarnish Hard Dry 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.*