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WATERBASED GLOSS DUCT EMULSION 260 137/R

Water Based Duct Emulsions are applied through the inking unit of a standard sheetfed or heatset lithographic printing unit.

The emulsion has to be applied without damp off a dry plate.

The formulation is vastly different to that of Water Miscible Duct Varnishes, the gloss is higher and drying is faster.

Press stability is more critical, so it is recommended that at the time of order Retarder 260 591R is also requested to use during start ups.

Not suitable for subsequent UV varnishing or foil blocking. Please speak to our Technical Department if double sided coating is required.

The emulsion is packed in 10kg plastic containers and the retarder is supplied in 1kg plastic containers to dispense into a garden spray type applicator.

It is recommended that Water Wash 260 625\R is used during prolonged stoppages of 10 minutes or more to clean the unit.

Overleaf is a guide to successful application.

It is important to note that this/these products have a shelf life of 12 months from date of delivery.

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STEP BY STEP GUIDE TO THE USE OF DUCT EMULSION

Application

Via the ink duct and roller train of any conventional Offset or Letterpress machine.

Blanket

It is important that the blanket is either stripped or packed within the sheet size to be sealed, commonly 3.5mm is sufficient.

Pressures

All settings should be kept to a minimum between plate and blanket and blanket to paper.

Start Up

A spray of Retarder 260 591/R should be applied to the roller train prior to start up, and during any machine stoppages to ensure clean running.

Film Weight

Apply a normal film weight of duct emulsion, as would have been used when conventional varnishing with oleo-resinous varnishes.

Stoppages

Plate and blanket should be cleaned promptly with Water Wash 260 625/R.

Final Wash Up

Press may be washed with a wash or plain water if the emulsion has not been allowed to dry.

Drying Systems

To attain optimum results with a duct emulsion some accelerated drying on the press will be required. Best results have been found with hot air knives, but IR with high volume air extraction may also prove effective.