



ECS setting the standards in pressroom solutions

ECS Un-Coated Stock Emulsion – W739

Coating on un-coated substrates has always proven to be problematic. Sheet curl and poor rub resistance has all ways been two of the main issues. The demand in the market for using this type of substrate has increased dramatically. ECS has seen this demand grow and has now formulated an emulsion to help over come the problems.

Un-coated stocks are generally very absorbent. The ink film weights are increased to over come this; however when an emulsion coating is applied the substrate acts like a kitchen sponge. It absorbs all the emulsion into the fibres of the paper leaving little or no coating over the ink to provide protection. Secondary to this, as the emulsion dries into the paper the paper begins to contract and can result is sheet distortion or curl.

ECS have now formulated an emulsion coating to overcome these issues. W739 is specifically designed for use on either roller coat or Anilox coater systems. Its high level of resolubility helps to control the sheet distortion whilst a combination or wax additives and a specially formulated resin solution helps to seal in the ink and provide the resistance needed.

W739 has been tested on a number of different machines including Heidelberg 74's and Roland 500's! It is found that optimum results are obtained when the level of Infer red heat is reduced to a level of 10 – 20% and the Hot Air Knives at a level of 80 – 90%. Ideal application film weights should be around 10 – 13 gsm wet.

Ideally inks should be formulated using a vegetable based system and be high in pigment content to help reduce the ink film weights.

If you require any further information about this product then please contact the technical department at ECS (Nottingham) LTD