

DESENSITISING INKS

Description:

Carbonless copying paper is particularly suitable for business stationery because it is possible to desensitise any portion of the sheet to prevent duplication, yet leave the rest of the sheet receptive to copying.

Application:

This desensitising is achieved by printing desensitising ink on to the coated front (CF) of the carbonless copying paper over the area where no copy is wanted. Desensitising inks are chemically acting inks that neutralises the coating to prevent duplication.

As there is a wide range of carbonless copying papers available it is advisable to test first before a production run.

Desensitising ink is more permanently effective than the barrier type of desensitising ink because the coating is left unaffected and still liable to develop an image after a period of time.

Processing:

Desensitising ink is applied in the same manner as conventional inks but roller pressures should be adjusted more carefully to give a uniform and even coverage. The thickness of the printed film is important. It should not be thicker than is necessary to desensitise the coated front (CF) coating on the paper. (If the film is too thin it will not desensitise properly and if too thick trouble can occur through migration, set off or transfer on turner bars.)

It is recommended that the duct feed be adjusted to give a light film and the duct setting gradually increased until no duplication occurs. The aim should be to obtain a uniform film.

Test method:

To check that desensitising is satisfactory, take a sheet from the press that has been printed with desensitising ink on the coated front (CF) side. After one minute place in contact with the coated back (CB) side of another sheet. Then by pressing firmly (but not heavily enough to cause embossing) draw a line on the top sheet crossing the desensitised area on the bottom sheet. If no duplication occurs desensitisation is complete. This test should be repeated at intervals during the run.

Although desensitising ink should completely eliminate the duplicating effect of carbonless copying paper, a readable image can occur as a heavy impression can emboss the paper.

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Ink types:

W35712

This product can be applied by the wet litho process and desensitises by neutralising the coated front (CF) of carbonless copying paper.

W35244

This product is the low viscosity version of W35712. It is used for poor quality paper and high speed or web presses.

No reducers or additives should be used as desensitisation can be affected.

General information:

Desensitising inks are supplied ready to print. No additives should be used!

Desensitising inks are supplied in 2.5 kg vacuum tins.

Desensitising inks should be stored at temperature between at ambient temperature (0 and 30 °C). In this case they can be used without any problems within a period of 3 years. This confirmation applies for unopened vacuum tins.

Material Safety Data Sheets are available on request.

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