



Screen

Product Data Sheet

CORRIBOND CR SERIES SCREEN INKS

Corribond screen inks have been formulated for economic decoration of plain and fluted polyolefin sheet. They combine excellent adhesion and durability, which makes them particularly suitable for printing polypropylene folders and display signs such as estate agents boards.

ADHESION: Corribond inks have been tested on most commercial grades of pre-treated polyolefins and found to have excellent adhesion.

COLOUR RANGE: Please see table overleaf for colour range. The listed standard and blending shades are illustrated in the Sunmatch Colour Card available from your local branch or distributor.

PANTONE®: Validated formulations for all the colours in the Pantone® colour guide are available in either formulation book or computer software format. Please contact your local branch or sales representative for a copy.

SUBSTRATES: Corribond inks have been specifically formulated for treated corrugated and sheet polypropylene but are also suitable for other types of polyolefin substrates. All polyolefins require pre-treatment of some form and as a guide the surface tension should be in excess of 42 dynes/cm to ensure good ink adhesion. Some form of ink adhesion test is strongly recommended before commencing a print run.

PRINTING MATERIALS: High quality stencil materials, such as Suncoat are recommended. Print quality is dependant on the stencil and detailed instructions for all Suncoat products are available in the form of Product Data Sheets from your local Sun Chemical Screen branch or distributor. Specialist advice is also available. Fine synthetic mesh such as Sefar should be used. A mesh count between 100-120 threads/cm will facilitate optimum drying, flexibility and adhesion.

DRYING: Corribond inks dry by solvent evaporation and can be jet dried at temperatures of around 50-55°C followed by vertical stacking. However, this is sometimes not practical when printing large areas of estate agents boards and in these circumstances jet drying followed by rack drying is recommended. Corribond will also dry by ambient temperature rack drying.

INK ADJUSTMENT: Corribond inks may be thinned with up to 30% Thinner TS13. This thinner will allow fast drying without loss of fine detail. Some grades of fluted polyolefin stock may cause the ink to appear mottled. In such circumstances, Thinner TS08 is recommended. Corribond inks have excellent screen stability but in exceptional circumstances this can be further improved with the use of 10-20% Retarder TS03.

WASHING UP: Suncoat General Purpose Screenwash YC26-054 is recommended for best results. A comprehensive range of Suncoat screen cleaning products is available from your local branch or distributor .

COVERAGE: Coverage depends on substrate, degree of thinning; mesh count, and many other factors. For guidance 40-50m²/kg of ink can be obtained.

DURABILITY: All pigments used have been selected to have a rating of 7-8 on the Blue Wool Scale. In addition, accelerated weathering tests conducted in accordance with BS3900 Part F3 indicate an expected outdoor life of up to 2 years. It must be emphasised that if the surface treatment of the material is unacceptably low then this will adversely affect the adhesion and durability of the print. Light tints and pastel shades do not have the permanence of full strength colours. The use of a clear overprint varnish is not required or recommended for outdoor use.

SAFETY AND HANDLING: Before handling these products it is important to refer to the relevant Material safety Data Sheets, (MSDS), which will have been provided by your local Sun Chemical Screen branch.

Corribond CR Inks PD 12.5.086

TS13 PD 12.5.115

TS08 PD 12.5.111

TS 03 PD 12.5.106

Sun Chemical Screen strongly recommends the use of appropriate protective clothing such as gloves and goggles, when handling these products

STORAGE : Corribond inks should be stored in sealed metal containers at temperatures between 5 and 30°C. Under these conditions standard products, excluding metallic shades should remain useable for a period of 2 years.

CHILDRENS TOYS AND FOOD CONTACT: Sun Chemical Screen cannot guarantee the suitability of any of its products for use on printed items to be used by children (EN71), or for direct/ indirect food contact applications. Whilst Corribond CR inks are formulated to be compliant with EN71, batches are not routinely tested.

For further information regarding these issues please refer to the appropriate customer information sheets available from your local Sun Chemical Screen branch.



CORRIBOND SUNMATCH BLENDING RANGE			
Primrose Orange Red Violet Green White	CR-Y30 CR-O50 CR-R50 CR-V50 CR-G50 CR-W50	Golden Yellow Scarlet Magenta Blue Black Extender Base	CR-Y50 CR-R20 CR-M50 CR-B50 CR-N50 CR-E50
STANDARD COLOUR RANGE			
Yellow Golden Yellow Warm Red Red Magenta Purple Reflex Blue Process Blue Green	CR-Y31 CR-Y51 CR-R11 CR-R50 CR-M51 CR-M91 CR-B31 CR-B61 CR-G51	Mid Yellow Orange Scarlet Rubine Red Rhodamine Red Violet Blue	CR-Y41 CR-O51 CR-R21 CR-M11 CR-M61 CR-V31 CR-B51
OTHER STANDARD PRODUCTS			
Silver O/Print Varnish	CR-SIL1 CR-C50	Gold Matt Base	CR-GLD1 CR-MTB
PROCESS COLOURS			
Process Yellow Process Cyan Process Base	CR-0014 CR-0053 CR-0085	Process Magenta Process Black	CR-0042 CR-0077
THINNERS AND RETARDERS			
Thinner Thinner	TS13 TS08	Retarder	TS03

This information has been carefully compiled from experience gained in the laboratory and under commercial conditions. However, the product's performance and its suitability for the customer's purpose depend on the particular conditions of use and the material being printed. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. Since we cannot anticipate or control the conditions under which our products are used it is not possible to guarantee their performance. All sales are subject to our standard terms and conditions of sale.

We would point out that the information contained in this leaflet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. SunChemical Screen products are not designed for use in conjunction with those of any other ink maker or similar supplier unless agreed in writing. PDS No. 298. July 2007

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