



Sericard CDA

Laminating Adhesives CDA10, CDA20 and CDA31

A range of press ready adhesives used for overprinting or roller-coating offset inks in the manufacture of laminated credit cards. All adhesives achieve excellent bond strength and a secure edge bleed lamination. They can be used over most conventional or UV curing offset inks.

Printing Stocks

CDA10 is a water based, screenprintable adhesive with good screen stability and self solvency.

CDA20 is a water based adhesive, developed for application by a roller coater.

These adhesives are specifically designed for use with PVC stocks normally used in credit card production. However, owing to variations in these materials, printers should satisfy themselves that suitable printing, laminating and other performance are obtained before commencing production runs.

All prints must be fully dried before stacking. A cooling unit at the end of the hot air dryer will result in optimal blocking resistance

CDA31 is a water based laminating adhesive designed to print using a coarse anilox roller on an inline press.

Laminating

Most typical lamination schedules may be successfully used to laminate CDA10, CDA20 and CDA31.

The minimum recommended laminating temperature is around 140°C for about 10 minutes at 1700 PSI.

Poor bond strength may result if this recommendation is not observed.

Note: Applying more adhesive does not automatically give better bond strength

Availability

CDA10 Sericard CD Laminating Adhesive.
Available in 5 ltr containers

CDA20 Sericard CD Laminating Adhesive
Available in 15 ltr containers.

CDA31 Sericard CD Laminating Adhesive
Available in 120 kg containers.

Main Characteristics

Finish

Clear, Satin Adhesive

Drying

Jet drying:
@ 50-60°C for 15-20 seconds

Thinning

All products are supplied press-ready.
If necessary CDA10 can be thinned with up to 5% water.

Cleaning

CDA10: Wet adhesive: Water
Dried in residues: Screen Cleaner MC (OAD54).

Wash-up

Xtend Screenwash and Cleaners

Mesh

77-120PW.
Coarse anilox for CDA31.

Stencil Recommendation

For printing CDA10, stencils must be resistant to solvent and water

Recommend: Dirasol 915

Coverage

CDA10 35-40m²/ltr using a 120.34PW Mesh
CDA20 4-6g/m² applied unthinned with a roller coater
CDA31 2.5-3g/m² when applied via a 20 volume Anilox.

Applications

Over dried offset prints for Credit Card manufacture

Colour Range

Transparent Adhesive

IMPORTANT: Stir well before every use.

Fujifilm Speciality Ink Systems Limited

- Has certification to the International Environmental Standard, ISO 14001.
- Is committed to minimising the risk to users of our products, and also to minimising the impact of our activities on the environment, from formulation through to production and supply.
- Research & development team, work to an in house Health, Safety and Environmental policy, termed 'Design for Health, Safety and Environment', with the aim of proactively developing products with the least impact on health, safety and the environment.
- Regularly review and monitor our impacts and activities, setting objectives and targets as part of a continual improvement process.
- Is committed to reducing waste through better use of raw materials, energy, water, re-use and recycling.

Safety and Handling

Sericard CDA Laminating Adhesives:

- Are formulated to be free from any chemicals toxic to health, carcinogenic, mutagenic or reprotoxic according to Directive 67/548/EC.
- Are not routinely tested, but are formulated to comply with the EN71-3 1995 Toy Safety Standard.
- For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product.

Comprehensive information on the safety and handling of Sericard CDA Laminating adhesives is given in the appropriate Safety Data Sheets.

Environmental Information

Sericard CDA Laminating Adhesives:

- Do not contain ozone depleting chemicals as described in the Montreal Convention.
- Are formulated free from aromatic hydrocarbons.
- Are water-based and can therefore be considered to have less impact on the environment, when compared with solvent based products.

The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of Fujifilm Speciality Ink Systems Limited and its associated companies, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information sheet out of date and users are requested to ensure that they follow current recommendations.

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FUJIFILM SPECIALITY INK SYSTEMS LIMITED

Pysons Road, Broadstairs
Kent CT10 2LE
United Kingdom
T: +44 (0)1843 866668
F: +44 (0)1843 872184
www.fujifilm.eu

Local Distributor: