

Technical Data Sheet

Solutions for Decoration

80 2032 - Antiblocking Printing Paste

Application

80 2032 eliminates surface tackiness. Interlaying wax paper can be dispensed with and, therefore, no longer needs to be disposed of.

80 2032 is a print-ready paste, which is used to thinly overprint onglaze or underglaze decals. The result is tack-free decals that, up to a maximum temperature of 35 °C, do not stick together, even if the sheets are stacked horizontally. Before there was always the risk of sticking with thick layers of ink, even with relatively tack-free covercoats, because the solvent residues and plasticizers contained in the inks made the covercoat surface tacky. Only if there are very thick layers of ink with extremely sticky printing media, can the surface become tacky, even with this excellent antiblock paste. Should this be the case, use of a printing medium with a lower plasticizer content is recommended.

80 2032 affects the flexibility of the covercoat underneath only slightly. The overprinted covercoats become somewhat more stable.

80 2032 increases productivity when cutting the sheets as the interlaying wax paper is no longer required when cutting or perforating.

80 2032 displays good combustibility and depolymerization, and in this respect is suitable for the current requirements in rapid-fire systems.

80 2032 improves the wetglazing of underglaze decals that have not been hardened on due to its hydrophilic properties.

Printing Properties

Due to its very good printability and fast drying, the antiblock paste 80 2032 can be processed at high printing speeds.

If the paste thickens when printing over long periods, the addition of 6-8 % thinner V 49 is recommended.

Film characteristics

80 2032 only slightly changes the extensibility of the underlying lacquer. The overprinted lacquers become somewhat more stable.

Application errors

The antiblock paste 80 2032 should only be printed with the recommended screens. This product is not a substitute for a covercoat.

Storage

80 2032 should be stored in the drums in which it was originally supplied by FERRO in a dry place at room temperature (15-25°C). Always seal opened drums carefully as the composition of the product changes when solvents evaporate from open drums.

When this storage recommendation is observed, the minimum shelf life in unopened original drums is 12 months.

Environment

Waste material treatment, environmental health and safety protection has to follow the local regulations and legislation.

Field of application	overprinting decals for onglaze / underglaze decorations
Processing	with automatic and semi-automatic screen printing equipment
Appearance	white emulsion
Composition	polyacrylates; plasticizer; solvents
Viscosity at 23°C [mPa*s]	650 at 50 1/s ; 350 at 200 1/s
Degree of thixotropy	medium
Consistency	thixotropic
Density at 20°C [g/cm³]	0,94
Non-Volatile parts (nvp) [%]	17
Flash point according ISO 3680 [°C]	>60
Recommended screen material	PET: 140-31 to --
Blocking stability	tack-free
Minimum dry film thickness [µm]	6-8
Drying figures TZ according to Mettler	TZ 10: ; TZ 100: not measured
Recommended working temp. [°C]	20 - 25
Recommended rel. humidity [%]	55 - 60
Thinner	V 49
Cleaner	80 452

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