

Technical Data Sheet

Solutions for Decoration

80 604 - Dispersing Agent

Application

80 604 was developed to make color pastes which have thickened due to the presence of moisture, printable again.

It is known in practice that color pastes made of certain printing media become intrinsically viscous due to moisture. The moisture can enter the printing paste via both the color powder and as a result of too high an ambient humidity when printing. The result in both cases is a thickening of the printing paste, which in the main leads to the printing pastes displaying poorer printing properties or being unfit for use.

By adding 0.5-1.0 % of dispersing agent, the printing pastes can be made to flow again, without impairing the characteristics of the colors. When the dispersing agent 80 604 is added, it must be mixed in thoroughly, to ensure that it is well distributed in the color paste.

In addition to this special use, the viscosity of highly viscous color pastes can be reduced and thus made easier to print by adding the recommended quantity of 80 604. The printing paste must, however, always contain the recommended amount of printing medium, as otherwise firing defects in the form of pinholes will occur.

Application errors

To achieve its optimum effect, dispersing agent 80 604 must be well mixed into the color paste.

The adhesion of the printed color may be impaired and should, therefore, be tested with adhesive tape. (see Part B under B 4/2)

Storage

80 604 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 2 years.

Environment

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

Field of application	liquefying thickened printing pastes
Processing	by working into printing pastes
Appearance	yellowish liquid
Composition	lecithin in aromatic hydrocarbons
Viscosity at 23°C [mPa*s]	at 50 1/s ; at 200 1/s
Degree of thixotropy	none
Consistency	flowing
Density at 20°C [g/cm³]	0,91
Non-Volatile parts (nvp) [%]	16
Flash point according ISO 3680 [°C]	55
Recommended working temp. [°C]	20 - 25
Recommended rel. humidity [%]	55 - 60
Thinner	- -
Cleaner	80 452

Limitation of Warranty and Liability

Ferro believes that the information contained in this document is accurate at the time of its publication. Ferro makes no warranty with respect to the information contained in this document. The information in this document is not a product specification, either in whole or in part. Your use of the information contained in this document and your purchase and use of this Ferro product are at your sole discretion. Downstream users are responsible for determination of the suitability of this product and for testing in specific applications. Nothing in this document shall be construed as a license for use that infringes upon any property rights of any third party. Please refer to the Safety Data Sheet (SDS) for safe use, handling and disposal information. All sales by Ferro to you are subject to Ferro's Terms and Conditions of Sale, as amended from time to time and available at www.ferro.com. In the event this document conflicts with Ferro's Terms and Conditions of Sale, Ferro's Terms and Conditions of Sale shall control.