Technical data sheet

Opaquing Paste OP 170

Marabu

An auxiliary for solvent-based Marabu Pad Printing and Screen Printing Inks

Increases the opacity especially when printing transparent and semi-transparent basic shades and colour matches

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Field of Application

Field of use

Opaquing Paste OP 170 can be used in all below mentioned, solvent-based Marabu pad printing and in selected screen printing inks. Its addition to transparent, resp. semi-transparent basic shades and colour matches means a significant increase in opacity since white pigment is added in its highest possible concentration.

Pad Printing

Opaquing Paste OP 170 is particularly suited for the following pad printing inks:

Tampacure	TPC	Tampatech	TPT
Tampaplus	TPL	Tampapur	TPU
Tampastar	TPR	Tampapol	TPY

Screen Printing

Opaquing Paste OP 170 is also suited for the following screen printing inks:

Marapur	PU	Libragloss	LIG
Marastar	SR	Libraprint	LIP
Marapol	PY	Libraspeed	LIS
Maraspeed	SL		

The use of OP 170 is **not** recommended for:

Maraflex	FX	Marapoxy	Y
Glass Ink	GL	Libramatt	LIM
Marapoly	P	Maraplan	PL
Maraprop	PP		

Note

In case of mixing Opaquing Paste OP 170 with other printing inks not listed, preliminary trials are always to be carried out in order to test their compatibility.

For more details about the single ink series, please refer to the corresponding technical data sheets.

Characteristics

When mixing OP 170 to an ink, white pigment is added in its highest possible concentration and the opacity will therefore increase especially on dark or coloured substrates.

Addition quantity

The amount of opaquing paste to be added depends on the required degree of opacity but it is never to exceed 15%. A higher addition is causing a reduction of the binder percentage and can eventually lead to a reduced adhesion and resistance of the ink.

The use of OP 170 is only meant for colour shades. In case of adding it to White 070/970, resp. Opaque White 170, however, the maximum addition of 15% will not significantly increase the ink’s opacity.

Attention

According to the quantity added, the colour shade as well as its brilliance can vary sensibly compared to its original appearance!

Fade resistance

When formulating Opaquing Paste OP 170, a pigment of high fade resistance has been used. It is possible, however, that fade and weather resistance decrease after it has been added to t e ink.

In the case of exposing the prints to a medium-term, resp. long-term outdoor application (2-5 years), we do not recommend the use of Opaquing Paste OP 170.

Marabuwerke GmbH & Co. KG · Phone: +49-(0)7141-691- 0 · info@marabu-inks.com · www.marabu-inks.com

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Based on its chemical structure, the pigment used corresponds to the EEC regulations EN 71/part 3, safety of toys – migration of specific elements. Owing to this, Opaquing Paste OP 170 can be added to printing colours which are suited for printing onto toys.

Stress resistance

In case of a proper use of OP 170, the specific characteristics and resistances of the printing ink will remain unaltered.

In the case of post-processing, however, such as die-cutting, vacuum forming, and moulding of screen prints, the addition of opaquing paste may lead to reduced characteristics.

The use of Opaquing Paste OP 170 is always to be tested in regard of its suitability for the desired processing and application. Preliminary trials always are recommended!

Recommendation

Please pay attention when mixing Opaquing Paste OP 170 to the ink, since an overdosing may easily happen due to its very high specific weight. Once added , the opaquing paste will further sink quickly to the bottom. Be certain, therefore, to stir it well into the ink!

The can is to be closed properly after every use in order to avoid a drying out.

Cleaning

To clean ink containers, clichés, and tools, please use our Cleaner UR 3.

Labelling

For the auxiliary Opaquing Paste OP 170, there are current Material Safety Data Sheets according to EC-regulation 91/155 informing in detail about all relevant safety data including labelling according to the present EEC regulations as to health and safety labelling requirements. Such health and safety data may also be derived from the respective label.

OP 170 has a flash point between 61°C and 100°C.

Note

Please refer to the information in our technical data sheets of pad printing and screen printing inks. Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their use. This is not meant as an assurance for certain properties of the products nor their suitability for each application.

You are, therefore, obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The selection and testing of the ink for specific application is exclusively your responsibility.

Should, however, any liability claims arise, they shall be limited to the value of the goods delivered by us and utilised by you with respect to any and all damages not caused intentionally or by gross negligence.

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