

Primer P4: Auxiliary for UV curable Inks

The right use of the Marabu auxiliary Primer P4 in combination with UV curable screen and digital printing inks.

Inks
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Marabu offers UV curing inks for both digital and screen printing. The specific characteristics and applications for the different types of ink are described more detail on the [Marabu Homepage](#).

1. General Information

The primer P4 is a liquid adhesion promoter for the pretreatment of various materials in order to improve the adhesion properties between the material and the printing layer to be applied.

Scope of application:

Improves adhesion of UV digital printing inks, UV screen printing inks and UV liquid coatings on glass, metals, ceramics and plastics.

Processing instructions:

Always ensure that the substrates are dry and free of grease and fingerprints. The recommended processing temperature is +15 to +25 ° C.

The Primer's flashing point is 12°C. When processing, in particular with spraying technique, regulations on occupational safety and health must be complied with.

2. Drying

The drying time for thin layers is about 30 seconds at room temperature. Waiting time for further processing or printing is about 5 minutes.

After primer application, the substrates must be protected from direct sunlight. Further processing should take place within the next 5 hours. If the substrates are immediately stored dry and protected from light, they can be processed at a later time.

3. Manual Application (wiping)

The primer P4 can be applied with a lint-free cloth, clean paper towel or a clean cotton pad.

Apply the primer to the entire area thinly in circular movements and without pressure. Do not apply too much of the primer to prevent smearing or streaking.

4. Spray application

Spray guns with compressed air atomization are recommended for a very thin primer application. Airless systems are less suitable due to the high primer transfer.

Outstanding results have been achieved with spray guns using 0.5mm or 0.6mm nozzles. The atomization pressure is in the range of about 4-6 bar. The parameters may vary depending what brand/system is used.

Smear and streaks formations can be seen on glass when either the atomizing pressure is too low or the coating thickness is too high. In this case, the settings must be varied.

The spray application is to be carried out in a machine provided for this purpose or in a spray booth with appropriate air extraction.

Contact

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