

M 745**Type:**

1-or 2-component ink

Unit:

Liter

Application:

The M745 is suitable for all kinds of thermoplastics, especially for ABS, polystyrene and its copolymers, rigid PVC, PMMA and polycarbonate. For sufficient adhesion on polyester, polyamide and other thermosetting plastics pre-treatment (corona or flame treatment) may be required.

Properties:

The M745 ink is very quick drying and weather resistant. It shows good processing properties, high gloss and a good resistance to benzene and alcohol especially when the ink is processed with hardener MH.7. Furthermore the M745 ink has an excellent abrasion resistance. The colour shades show heavy metal free pigmentation and correspond to EN 71, part 3, safety of toys, migration of certain elements. For higher mechanical and chemical resistance or better adhesion the M745 can also be processed as 2-component ink. Abrasion resistance can be improved considerably by addition of additives to improve abrasion resistance.

Drying:

The Potlife (processing time) is generally 6-8 hours. The Pad Printing Ink M745 is air drying, i.e. they dry by evaporation of solvents contained in the ink. At room temperature (20°C-25°C) drying time is approx. 30-60 seconds. Heat application and air circulation will reduce drying time. Depending on the substrate the ink is completely cured within a few hours. Processed as a 2-component system, mechanical and chemical resistances are not achieved until the ink is fully cured (approx. 4-5 days).

Shades:

- Standard shades - Euro-scale - Special shades

Agents:

Thinner (fast): MV.7N,
Thinner (normal): MVZ.7L
Retarder (slow): MVZ.7D
Hardener: MH.7

Colour Adjustment:

Dilution: 10-30% per weight. Hardener: 10% per weight.

Cleaner:

Universal cleaning agent: MR.2 or MV.7C

Storage:

Durable: In unopened original packaging four years at room temperature.
Always close hardener container tightly during storage.

Suggestion:

Stir inks well before using and conduct sample prints.

Annotation:

Obey safety data sheet. The information given in this technical data sheet are based on up to date knowledge of ITW MORLOCK GmbH and provide guidelines which are not obligatory due to the multitude of possible influences of the production environment.