

**M420-2****Type:**

---

1-or 2-component ink

**Unit:**

---

Liter

**Application:**

---

M420-2 is suitable for printing on PVC, pre-treated polyester and pre-treated polyolefin (PE and PP), acrylics, polycarbonate, wooden materials, metal, paper, cardboard and leather. For prints on polystyrene, ABS or SAN pre-tests are necessary.

**Properties:**

---

Satin glossy to glossy. M420-2 is a fast drying universal printing ink, resistant against chemicals, alcohol, cleaning agents, hand perspiration, grease and oil. When printed on suitable substrates, the M420-2 shows excellent weather resistance (with the exception of M420-2 944 opaque white). All colour shades of the M420-2 do not contain any pigments based on toxic heavy metals (DIN EN 71, part 3).

**Drying:**

---

Physically drying by evaporation of solvents (pot life 8-10 hours) and chemically cross linking (pot life with hardener MH.404 1-2 hours and with hardener MH.420 6-8 hours), heat application will reduce drying time and enhance adherence. Crosslinking also occurs when the prints are stacked. Higher drying temperatures increase adhesion in many cases. The following temperatures and drying times are recommended: 120°C 10 minutes and 150°C 5 minutes. Ink is completely cured after 2 days and 50-60°C tempered or 7 days at room temperature.

**Shades:**

---

Standard shades, Euro-scale, Special shades

**Agents:**

---

Thinner fast: MV.4S, MV.4S-2, Thinner: MV.4N, Special Thinner: MV.4SP  
Retarder: MVZ.4L, Retarder slow: MVZ.4D  
Hardener: MH.420 or MH.404

**Colour Adjustment:**

---

Dilution: approx. 30% per weight.  
Mixing relation ink: hardener 9:1 (standard shades), 10:1 (standard white)

**Cleaner:**

---

Universal cleaning agent: MR.4

**Storage:**

---

Allow the ink to adjust to room temperature in the closed container before use. Durability of unopened original pack aging 42 months standard black (1.99), 24 months different colour shades and 48 months, metallic shades 12 months, standard white (1.00) and also high opaque white (944) at room temperature. Always close hardener container tightly during storage.

**Suggestion:**

---

Stir inks well before using and conduct sample prints. Handling temperature not less than 15°C

**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.