

Intended use

Mipa Pro Mix® Industry Pigment Pastes are universal colour pastes intended for use with Mipa Pro Mix® Industry System.

Processing instructions

Processing conditions

Before use, shake Pro Mix® Industry Pigment Pastes thoroughly (1 minute in shaker).

Application

Immediately after adding Pro Mix® Industry Pigment Pastes, the mixture must be homogenized by shaking, stirring or mixing (approx. 2 minutes in shaker).



Dilution

No thinner. Pro Mix® Industry Pigment Pastes are ready for use.

Technical data

| Pro Mix® Industry Pigment Pastes | Color Index | Solids content [% by weight] | Density [kg/l] | VOC [g/l] | lightfastness | | Weather resistance | | Heat resistance [°C] |
|-------------------------------------|-------------|---------------------------------|-------------------|--------------|---------------|-------|-----------------------|-------|-------------------------|
| | | | | | 1/3 | 1/25 | 1/3 | 1/25 | |
| 050 Oxide yellow | P.Y. 42 | 71 | 1,5.. | 466 | 8 | 8 | 5 | 5 | 180 |
| 060 Oxide red | P.R. 101 | 75 | 1,7.. | 442 | 8 | 8 | 5 | 5 | >200 |
| 420 Genuine red | P.R. 254 | 64 | 1,1.. | 417 | 8 | 8 | 5 | 4 - 5 | 200 |
| 460 White | P.W. 6 | 81 | 1,8.. | 381 | 8 | 8 | 5 | 5 | 200 |
| 510 Violet | P.V. 23 | 53 | 1,1.. | 550 | 7 - 8 | 7 - 8 | 4 | 4 | 160 |
| 511 Red violet | P.V. 19 | 57 | 1,2.. | 512 | 7 | 7 | 3 - 4 | 3 - 4 | 200 |
| 590 Genuine maroon | P.R. 122 | 46 | 1,1.. | 606 | 8 | 7 - 8 | 4 - 5 | 4 | 200 |
| 600 Genuine yellow | P.Y. 151 | 67 | 1,1.. | 387 | 8 | 7 - 8 | 4 - 5 | 4 | 200 |
| 620 Oxide orange | P.Y. 184 | 80 | 2,2.. | 431 | 8 | 8 | 5 | 5 | 200 |
| 630 Blue | P.B. 15:4 | 55 | 1,1.. | 527 | 8 | 8 | 5 | 5 | 200 |
| 640 Brilliant yellow | P.Y. 74 | 59 | 1,0.. | 450 | 7 | 6 | 3 | 3 | 140 |
| 650 Lemon yellow | P.Y. 184 | 76 | 1,9.. | 435 | 8 | 8 | 5 | 5 | 200 |
| 660 Yellow orange | P.Y. 139 | 65 | 1,3.. | 456 | 8 | 7 - 8 | 5 | 4 | 200 |
| 680 Green | P.G. 7 | 54 | 1,2.. | 567 | 8 | 8 | 5 | 5 | 200 |
| 710 Genuine orange | P.O. 36 | 62 | 1,1.. | 456 | 8 | 8 | 4 - 5 | 4 | 160 |
| 712 Genuine orange II | P.O. 73 | 63 | 1,1.. | 418 | 8 | 8 | 4 - 5 | 4 | 160 |
| 950 Carbon black | P.Bk. 7 | 58 | 1,2.. | 539 | 8 | 8 | 5 | 5 | >200 |
| 960 Aluminium | - | 48 | 1,1.. | 582 | - | - | - | - | >200 |
| 966 Aluminium | - | 48 | 1,1.. | 585 | - | - | - | - | >200 |
| 970 Aluminium | - | 48 | 1,1.. | 582 | - | - | - | - | >200 |

Details on technical data

The data of heat resistance, weather resistance and light fastness refer to the incorporated pigments. Weather resistance and lightfastness refer to a standard colour depth of 1/3 and 1/25. The assessment of weather resistance is carried out according to the 5-level grey step-wedge as per DIN 54001. The lightfastness is evaluated in line with the 8-level blue scale on the basis of DIN 54003. All indicated figures are representative average values and are not meant to be supply specifications.

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There are some abbreviations in mixing formulations. These terms have the following meanings:

HC = formulation providing higher coverage.

UV = UV resistance for exterior applications.

Spray = formulations for aerosol paints.

Note**Properties:**

Optimised pigment concentration
Optimised UV and weather resistance by available standard and high performance pigments
Good flow properties, pumpable
Colorimetrically exactly adjusted
Suitable for gravimetric dosing
Frost-resistant up to - 15 °C
Does hardly affect the viscosity of bases
Max. addition of up to 40 % by weight
Water content < 0.1 %; free from glycol and plasticisers
Can be used in solvent-based paint systems based on alkyd, acryl, PVC, PVB, melamine, polyurethane, chlorinated rubber, epoxy resins and cellulose esters. Test first compatibility, if you intend to use them in other systems than those recommended by MIPA.

Storage:

At least 2 years in closed unopened original containers if stored in dry places. Recommended storage temperature: 10 - 30 °C. Higher temperatures may affect the shelf life.

Application note:

Check colour at daylight before applying.

The following Pro Mix® Industry Pigment Pastes must not be used in combination with the mentioned binders:

640 stoving enamels, 1K acrylic resins, epoxy resins & combinations of epoxy and acrylic resin.

660 epoxy resins.

Formulations containing the Pro Mix® Industry Pigment Paste 640 are not suitable to be filled spray cans.

The minimum quantity of 20 % of Pro Mix® Farbkonzentrat 640 in your own formulations should not be exceeded because of the light fastness.

Cleaning of tools:

Clean tools immediately after use with Mipa Nitroverdünnung.