

DESCRIPTION

IJmocolor EP is based on high quality pigments finely dispersed in solvent free epoxy resins.

PRINCIPAL CHARACTERISTICS

- Suitable as colour paste for solvent based and solvent free epoxy coatings;
- Suitable as colour paste for epoxy based flooring compounds, trowel floorings, etc.;
- High pigment content and colour strength, only minimal dosage is required;
- All 14 colourpastes can be mixed together in any ratio to obtain a wide range of colours, including all RAL and NCS shades;
- The use of IJmocolor EP guarantees a good colour accuracy and high colour reproducibility;
- Almost unlimited shelflife.

COLOURS

14 standard colours, special colours on request

BASIC PROPERTIES (AT 23 °C AND 50% R.H.)

Density	: approx. 1,8 g/cm ³ (white EP100), depending on colour
Solid content	: approx. 100 % (volume)
Pigment content	: approx. 50 % (white EP100), depending on colour
Epoxy equivalent weight (E.E.W.):	: approx. 358 (white EP100), depending on colour
Shelf life	: in original packing, stored in a cool and dry place, at least 24 months
Flashpoint (DIN53213)	: > 100 °C

INSTRUCTIONS FOR USE

Before use, mix thoroughly.

Mixing ratio	:
Self levelling floorings	: use 3 to 5 % (by weight) IJmocolor EP. The actual quantity depends on colour and application.
Roller applied floorings	: use 5 to 10 % (by weight) IJmocolor EP. The actual quantity depends on colour and application.
Solid surfaces	: use 1 to 5 % (by weight) IJmocolor EP. The actual quantity depends on colour and application.

Add the epoxy resin to the IJmocolor EP whilst stirring, preferably by means of a mechanical stirrer.

ADDITIONAL INFORMATION

- Adding IJmocolor EP
Add IJmocolor EP to base component whilst stirring. Adding a larger quantity of IJmocolor EP to a base component will require an additional quantity of hardener.
- Determination of the required quantity of hardener
Epoxy resins cure by chemical reaction with the hardener component. To ensure complete curing, the correct quantity of hardener should be added to the mixture of epoxy resin and IJmocolor EP. An incomplete curing may result in various film defects. The quantity of hardener may be calculated using the epoxy equivalent weight (E.E.W.) and the hardener equivalent weight (H.E.Q.). The ratio between both components is correct when the total quantity of epoxy equivalents is equal to the total quantity of hardener equivalents.

The required quantity of hardener necessary for any amount of IJmocolor EP can be calculated with following formulation:

$$QTY_{hardener} = \frac{QTY_{IJmocolor\ EP} \times HEQ_{hardener}}{EEW_{IJmocolor\ EP}}$$

Whereby:

QTY_{hardener} required quantity by weight of hardener;
QTY_{IJmocolor EP} the quantity by weight of IJmocolor EP;
HEQ_{hardener} equivalent weight of the hardener (this value may be obtained from the supplier of the hardener);
EEW_{IJmocolor EP} the equivalent weight of the IJmocolor EP.

Example:

200 gram IJmocolor EP100 white is cured with a curing agent. According to the technical information, the H.E.Q. for the hardener is 120. The E.E.W. for colour EP100 white is according to the table 358. The quantity of hardener which should be added is:

$$200 \times 120 / 358 = 67 \text{ gram hardener.}$$

When 200 gram IJmocolor EP100 white is added to a given quantity of epoxy resin which will be cured with the same hardener, an additional quantity of 67 gram hardener should be added to the mixture of resins and IJmocolor to obtain proper curing.

- **Available colours**

Standard colours:

code	description	E.E.W.
EP100	IJmocolor EP100 white	358
EP110	IJmocolor EP110 heliogreen	308
EP113	IJmocolor EP113 bright yellow	358
EP116	IJmocolor EP116 yellow	224
EP123	IJmocolor EP123 middle yellow	358
EP124	IJmocolor EP124 Orange	224
EP133	IJmocolor EP133 oxide yellow	280
EP140	IJmocolor EP140 oxide red	358
EP145	IJmocolor EP145 red	358
EP155	IJmocolor EP155 blue	218
EP191	IJmocolor EP191 black	358
EP192	IJmocolor EP192 purple	196
EP196	IJmocolor EP196 violet	338
EP198	IJmocolor EP198 oxide green	358

SAFETY INFORMATION

See the corresponding Material Safety Data Sheet for detailed instructions on safety, disposal and health.

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Disclaimer

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