



Speciality drier for waterborne paint systems

Description

Octa-Soligen® 123 aqua is a hydrophilic combination drier manufactured by special means. The active metal ingredients are cobalt, barium and zinc. This drier is usable in all waterborne paint systems based on binders which dry by oxidation.

Characteristic Data

| | | |
|----------------------|---|-------------------------------------|
| Appearance | Clear, middle-viscous, violet liquid | |
| Metal content | Ba: 6.72 - 7.12 % Co: 1.05 - 1.25 % Zn: 2.98 - 3.18 % Total: 10.75 - 11.55 % | DIN 55901 DIN 55901 DIN 55901 |
| Non-volatile content | 50 - 60 % | ISO 3251 (2g, 3h, 105 °C) |
| Viscosity | 80 - 280 mPa·s | ISO 3219 (A) (20 °C) |
| Density | 0.980 - 1.020 g/cm ³ | DIN 51757 (20 °C) |
| Solvent | White spirit with < 1 % aromatics | |

Properties

This specially activated drier effects rapid and uniform initial drying and good through-drying of the paint film as well as improving color stability, gloss, film hardness and water resistance. It remains stable even if stored for over a year.

Cobalt effects rapid surface drying. In conjunction with cobalt, barium and zinc improve through-drying. At the same time they prevent the adsorption of primary drier, thereby increasing drier stability during long-term storage.

In contrast to conventional driers, **Octa-Soligen® 123 aqua** is simple to use. It can be added to the binder or to paint already diluted with water, regardless of pH. A 24-hour maturing period allows **Octa-Soligen® 123 aqua** to take full effect.

Applications

The combination drier **Octa-Soligen® 123 aqua** is usable in all waterborne paint systems based on binders which dry by oxidation.

Dosage

Additions from 2 to 6 % **Octa-Soligen® 123 aqua** relative to binder (long-oil alkyd), equivalent to the following metal contents:

cobalt 0.024 - 0.072 %



barium 0.144 - 0.432 %

zinc 0.064 - 0.192 %

Under certain circumstances, more or less than the recommended amounts may be used. The optimum amount needs to be determined in trials, however.

To improve the drier stability of paints such as those containing pigments which readily adsorb driers, we recommend that 0.5 - 1.0 % Octa-Soligen® Calcium 10 is added prior to milling.

Storage

Protect from the effects of weathering and store at temperatures between 5 and 30 °C.

Once opened, containers should be resealed immediately after each removal of the product.

Safety

Please refer to our safety data sheet for information relating to product safety.

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