borchers

Octa-Soligen® Cobalt 12 (xylene)

Cobalt accelerator for polyester systems

Physical Characteristics

Appearance	Clear, middle-viscous violet liquid
Metal content	Co: 11.70 – 12.30 % ISO 4619
Non-volatile content	62.00 – 76.00 % ISO 3251 (2g, 3h, 105°C)
Viscosity	Max. 640 mPa.s (20°C) ISO 3219 (A)
Specific gravity	NA
Density	1.040 – 1.090 g/cm³ DIN 51757 (20 °C)
Solvent	Xylene

Features

- Based on metal salts of 2-ethylhexanoic acid (octoates) or their isomers
- Accelerates film structure and cure of resin binders
- Used in conjunction with organic peroxides to cure unsaturated polyester systems

Applications

- Unsaturated polyester systems for coatings and casting resins
- Synthetic resins for fiber reinforced tools

Dosage

In unsaturated polyesters, the addition of cobalt is between 0.005 and 0.020 %, calculated as metal on solid binder. Octa-Soligen® Cobalt accelerators can be used in combination with 15% Potassium Hex-Cem® EU and Borchers® Deca Copper 8. 15% Potassium Hex-Cem® EU helps to reduce discoloration of the resin binder that results from the cobalt. This is obtained due to a reduction of the cobalt which overlays the natural cobalt color shade. In combination with Borchers® Deca Copper 8, pot life can be controlled. In addition, the curing process will proceed with less thermal development. This is important to prevent surface imperfections, cracks and discoloration, particularly in case of bigger tools. Irrespective of these guidelines, the addition should always be determined in preliminary trials.

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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