



Description

Iron is slightly effective in coatings which dry by oxidation at room temperature. It usually only develops its catalytic effect at stoving temperatures above 130 °C. Iron driers are very dark in colour. Therefore it is used in oil-based stoving systems for cans and in dark-coloured stoving systems.

Characteristic data

Appearance:	clear, brown liquid of low viscosity	
Metal content Fe, %:	7.3 – 7.7	DIN 55901 - 1988
Non-volatile content, %:	52 - 64	ISO 3251 – 1974 (2 g, 3 h, 105 °C)
Viscosity (20 °C), mPa·s:	10 - 60	ISO 3219 (A) - 1994
Density (20 °C), g/cm ³ :	0.94 – 0.98	DIN 51757 (A) – 1994
Flash point, °C:	> 61	
Solvent:	white-spirit with < 1 % aromatics	

Properties

Iron is a primary drier which improves, above all, the through-drying. It only develops its full effect at high temperatures (> 150 °C).

Applications

Octa-Soligen[®] Iron can be used in all coatings which dry by oxidation and are stoved at high temperatures. Because of its very severe tendency to yellow, iron can only be used in pigmented coatings.

It also acts as an adhesion promoter in anti-corrosion coatings.

Addition

In our experience, the percentage addition of iron, calculated on the metal content per binder (solid), is approx. 0.1 - 1.0 % Fe.

The exact amount required depends on the binder used.



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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