SunTechem

# SunMox® IT

## Transparent Iron Oxides



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**SunMox® IT** is portfolio of **transparent iron oxides**. These transparent iron oxide pigments are ultra-fine **inorganic colorants** that provide strong coloration while remaining visually transparent. Their small particle size allows light to pass through, making them ideal for applications where the substrate or grain should remain visible.

They offer excellent UV and weather resistance, which makes them highly suitable for exterior coatings and long-lasting finishes. Transparent iron oxides produce **natural yellow**, **red**, and **brown tones** that are widely used in wood stains and glazes. They also enhance depth and color richness in automotive coatings and metallic systems. In plastics and printing inks, they provide stable, transparent coloration with excellent heat and chemical resistance.

## Powder forms

| Product | Color Index | BET Surface Area ($m^2/g$) | Density ($g/cm^3$) | Heat resistance (° C) | Light-fastness (1–8) | Weather resistence (1–5) |
|---|---|---|---|---|---|---|
| **SunMox Yellow IT 101** | Pigment Yellow 42 | 80 | 3,7 | 180 | 8 | 5 |
| **SunMox Red IT 201** | Pigment Red 101 | 85 | 4,1 | 300 | 8 | 5 |

## Liquid preparations

| Product | Color Index | Pigment content | Binder | Solvent | Density ($g/cm^3$) | Weather resistence (1–5) |
|---|---|---|---|---|---|---|
| **SunMox Yellow IT 101 SB** | Pigment Yellow 42 | 48 % | linseed oil | white spirit | 1,46 | 5 |
| **SunMox Red IT 201 SB** | Pigment Red 101 | 48 % | linseed oil | white spirit | 1,50 | 5 |

**SunTechem Solutions** | Czech Republic
E-mail: info.cz@suntechem.eu

www.suntechem.eu