



Technical Data Sheet / Specification

Brown 686 for Coating



MASS TONE



TINT TONE

| Technical Data Sheet /Specification- Iron Oxide Pigment | | | |
|---|---|---------|---------------------------|
| Product name: | Brown 686 | | |
| General description | | | |
| Chemical formula: | Synthetic iron oxide Fe ₂ O ₃ /Fe ₃ O ₄ | | |
| Type: | Brown iron oxide pigment | | |
| Colour index: | Pigment red 101 (77491) | | |
| | Pigment black 11 (77499) | | |
| CAS No.: | 1309-37-1 | | |
| | 12227-89-3 | | |
| Form: | Powder | | |
| Hue: | Dark brown | | |
| Colour difference in paints : | | | |
| Mass tone | ΔE_{La} b | max 1.0 | Test method: ISO787/1 |
| Tint-tone | ΔE_{La} b | max 1.0 | Test method: ISO787/16 |
| Relative tinting strength (%) | min 95 | max 105 | Test method: ISO787/16 |
| Colour difference in cement : | | | |
| ΔE_{cmc} | max 1.5 | | 3%Concentration in cement |
| Relative tinting strength (%) | min 95 | max 105 | 3%Concentration in cement |
| Technical data | | | |
| Fe ₂ O ₃ / Fe ₃ O ₄ content (%) | min 60 | max 90 | Test method: ISO1248/8 |
| Moisture (%) | max 1.0 | | Test method: ISO787/2 |
| Water soluble salts (%) | max 0.5 | | Test method: ISO787/3 |
| Sieve residue on 45 μ m mesh (%) | max 0.1 | | Test method: ISO787/7 |

| | | | |
|---------------------------------------|-----------------------|---------|------------------------|
| pHvalue | min 4.0 | max 8.0 | Test method: ISO787/9 |
| Oil absorption | min 20 | max 30 | Test method: ISO787/5 |
| Density (g/cm ³) | approx. 5.0 | | Test method: ISO787/10 |
| Apparent density (g/cm ³) | approx. 0.8 | | Test method: ISO787/11 |
| Particle shade | irregular | | |
| Average particle size (μm) | approx. 0.50 | | |
| package | 25 kg/bag with pallet | | |

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