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TECHNICAL DATA SHEET

Iron Oxide Yellow 8313

Edition of 2023-02-16

Type Yellow Pigment

Delivery Form Powder

Chemical Class Synthetic Iron Oxide

Color Index Pigment Yellow 42(77492)

CAS No. 20344-49-4

Use Recommendation Coating & Construction Industry

| COLOR VALUES AND TINTING STRENGTH | | | | |
|-----------------------------------|---------------------|------------|--------------------|--|
| Reference | | | Standard: DIN 6174 | |
| | <u>Min</u> | <u>Max</u> | Test Method | |
| Binder | Test Paste Based On | | | |
| Bilidei | R-05 | | | |
| Full Shade | | | No.001, 2001-01-01 | |
| △L* | -0.6 | 0.6 | | |
| rianglea* | -0.6 | 0.6 | | |
| ∆b* | -0.6 | 0.6 | | |
| _∆E*ab | | 0.8 | | |

| TECHNICAL DATA | | | | | |
|---------------------------------------|------------|------------|----------------------|--|--|
| | <u>Min</u> | <u>Max</u> | Test Method | | |
| Water-Soluble Content [%] | | 0.5 | DIN ISO787 Part 3 | | |
| Sieve Residue (0.045mm) [%] | | 0.1 | DIN 53195 | | |
| Fe ₂ O ₃ [%] | 86.0 | | DIN 55913 Sheet 2 | | |
| Moisture (After Production) [%] | | 1.0 | DIN ISO 787 Part 2 | | |
| Loss on Heating 1000°C¹/²h [%] | | 14.0 | DIN 55913 Sheet 2 | | |
| Particle Shape | Acicular | | Electron Micrographs | | |
| | | | | | |
| Approx. | | | | | |
| Predominant Particle size [µM] | 0.110.8 | | Electron Micrographs | | |
| Oil Absorption [g/100g] | \sim 35 | | DIN ISO787 Part 5 | | |
| Tamped Density [g/ml] | ~0.6 | | DIN ISO787 Part 11 | | |
| Density [g/ml] | ~4.0 | | DIN ISO787 Part10 | | |



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STANDARD PACKAGING

20kg/bag

TRANSPORT AND STORAGE

Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.

SAFETY

The product is not classified as dangerous under the relevant EC directives and corresponding national regulations valid in the individual EU member states. It is not dangerous according to transport regulations. In countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labeling and transport of dangerous substances must be ensured.

The information contained in the safety data sheet should be observed.

This contains information on handing, product safety and ecology.

This information is given in good faith, without warranty. It is also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General conditions of sale and delivery.