

	QUALITY CERTIFICATE MICRONOX® TP 303	Date of dispatch: 23/06/2020 Batch: SE02 Quantity: 4.2 TONS Order: ORDER 10 Ref: PVE/20/0258
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PRODUCT DESCRIPTION

Type	Red pigment
Delivery form	Powder
Chemical description	Iron oxide α -Fe ₂ O ₃

TECHNICAL SPECIFICATIONS

Property	Value	Unit	Max	Min	Test method
Fe ₂ O ₃ content	83.7	%	-	82	ISO 1248 Method A
Humidity	0.34	%	1.0	-	ISO 787-2
Residue on sieve of 45 µm	0.1	%	0.1	-	ISO 787-7
Average particle size	1.21	µm	1.35	1.05	ISO 13320-1
Maximum particle size	10	µm	10	9.06	ISO 13320-1
Specific surface area	15.3	m ² /g	17	13	ISO 13320-1
pH of aqueous suspension	5.7	-	9.0	5.0	ISO 787-9
Specific gravity	4.6	g/cm ³	4.7	4.5	ISO 787-10
Bulk density	0.9	g/cm ³	1.0	0.8	ISO 787-11
Relative tinting strength	101	%	105	95	ISO 787-16
ΔE* CIElab parameter	0.96	-	1.5	-	ISO 787-1

EC DECLARATION OF CONFORMITY UNE-EN 12878:2007

Certificate registration No.: 1239/CPD/0807001

Pigment for a concrete, mortar and grout.

Pigment for the colouring of building materials based on cement and/or lime for building materials belonging to categories B.

Properties	Tests according to norms	Results
Setting time-initial	EN 196-3	144 min
Compressive strength (28 days)	EN 196-1	52.5 N/mm ²
Soluble chlorides	ISO 787-13	<0.01%
Total chlorine	ISO 1158	<0.1%
Loss on ignition	EN 196-2	6.4%
Water soluble substances	ISO 787-3	0.4%
Heat resistance	EN 12878	600° C
Weathering resistance	EN 12878	Excellent
Alkaline stability	EN 196-1	Excellent
Lightfastness	ISO 12040	BWS = 8 (excellent)

