

POWDER PIGMENTS FOR CONCRETE

PRODUCT

weber.ad color is powder pigment used for the coloration of concrete.

PROPERTIES

weber.ad color powder pigment has a specific surface approximately 10 times higher than that of cement.

weber.ad color has an important dispersing action. The very fine size of the pigment particles allows easy dispersion of the weber.ad color in concrete and achieving durable and homogeneous tint at lower dosage.

SCOPE OF USE

Paving stones, bricks, blocks, concrete tiles, enclosures, sidewalk frames, concrete industrial floors, heavy prefabrication, and grouts.

INSTRUCTIONS FOR USE

weber.ad color can be added at the batching plant along with the dry concrete constituents, alternatively it can also be added into the truck mixer directly on the fresh concrete assuring that the concrete is agitated for not less than 2 minutes at 15- 20 rpm before casting. It is under these conditions that the best homogeneity of color can be obtained.

DOSAGE RATES

The final tint of concrete is a function of the nature and distribution of the final elements in the mass, in particular those of the cement and of the fraction of sand with finer than 0.2 mm. The exact dosage depends on the intensity of the desired tint: from 2 to 5 kg per 100 kg cement.

When using white cement, the dosage can be reduced for the same intensity of tint.

CHARACTERISTICS

Reference		Apparent Density (g/cm ³)	Pigment type	Pigment Content (%)	SiO ₂ + AL ₂ O ₃ (%)	Density (g/cm ³)
Yellow	920	0.3 - 0.5	Fe ₂ O ₃	85 - 87	0.2	4.1
Ochre	960	0.5		88 - 90	< 0.6	4.3
Brown	610	0.7 - 1.1		> 90	< 4	Approx. 4.7
Brown	660	0.7 - 1.1		> 92	2 - 4	4.4
Brown	686	0.8 - 1.2		92	max 3	Approx. 4.8
Red	130	0.7 - 1.1		95 - 97	2 - 4	5
Red	810	0.6 - 0.9		90 - 91	1.5 - 3	4.5
Red	222	0.6 - 1		97 - 99	0.5 - 3	5
Black	330	0.8 - 1.2	Carbon Black	90	3	4.6
Black	318	0.8 - 1.2	Carbon Black	90	< 3	4.6
Black	HS 50	1.7 - 1.9	Carbon Black	50 - 60	-	-
Blue	544	0.8 - 1.2	Co (Cr,Al)	90	-	4.3
Green	023	0.5 - 0.8	Cr ₂ O ₃	98.8	0.1	5.4
White		0.6 - 0.9	TiO ₂	> 91	-	4

APPLICABLE STANDARDS

Conform to European standard EN 12878 (in use for BS 1014 and Din 53237) and ASTM C979.

RECOMMENDATIONS

In order to obtain a concrete with consistent coloration, it is important that the composition of the concrete does not vary, in particular the dosage of cement and water content. In order to avoid the appearance of efflorescence, it is necessary:

- to work with W/C as low as possible
- to store at the earlier stages the concrete under shelter

PACKAGING

weber.ad color is packed in 20 or 25 kg bags.

SAFETY PRECAUTIONS

The product contains very fine powder which, when mixed with water, releases alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning thoroughly with soap and water. In case of contact with eyes, wash thoroughly with clean water and seek medical

weber.ad color

formerly "Admix Color P"

attention. If swallowed, do not induce vomiting and seek medical attention. The product is non-flammable.

QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

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