

Technical Data - GRANUFIN® STRAW 49G

Granufin® Straw 49G is a high-tinting strength color granule made of synthetic iron oxide yellow pigment encapsulated by a small amount of wetting agent and binder. The resulting “micro-pearl” is about the size of a grain of salt, nearly dust-free, free-flowing and is easily dispersed in concrete mixes. It is manufactured in large batches on intensive liquifying, blending and drying equipment and designed to be used in combination with a Granumat® automatic dosing system or in other types of dosing systems. Each batch is measured throughout the process and verified on spectrophotometer to certify its conformance with standards for tint strength, shade as well as tests for uniformity and flowability. It meets ASTM C979-82, EN 12 878 (Category A), DIN 53237 and BS 1014 standards for pigments used in cement. Granufin® Straw 49G is color-stable in processing temperatures below 220°C (430°F). All Granufin® products are manufactured under strict QC and environmental controls for reliable and consistent quality, stable under exposure to sunlight and UV radiation and are alkali, chemical and weather resistant. **Uses: concrete pavers, block, and concrete products. Recommended dosage: 3 to 5% of cement content.**

DESCRIPTION

PRODUCT NAME	GRANUFIN® STRAW 49G
PRODUCT CODE	49G
COLOUR INDEX NAME	PIGMENT YELLOW 42 (77492)
CHEMICAL FORMULA	FeO(OH)
CAS NUMBER	51274-00-1
EINECS NUMBER	257-098-5

TECHNICAL DATA

	<u>UNIT</u>	<u>SPECIFICATION</u>	<u>TEST METHOD</u>
Relative Tinting Strength against current standard⁽¹⁾	%	95 - 105	RT/Lab/TM08/01
Color tolerance against current standard⁽¹⁾	dE	≤ 1.5	RT/Lab/TM08/01
Specific gravity	gr/ml	4.1	ISO 787-10
pH		6.0 - 10.0	ISO787-9
Chloride content	%	≤ 0.1	ISO 787-13
Water Soluble Salts⁽²⁾	%	≤ 4.0	ISO787-3
Moisture content (ex. works)	%	≤ 1.0	ISO787-2
Particle shape		Acycular	T.E.M. ⁽³⁾
FeO(OH) content	%	≥ 95	BS1014

PACKAGING, STORAGE AND SHELF LIFE

25 kg paper bags with PE Liner. 700 kg supersacks.

5 years under cool, dry conditions in original packing away from heat sources. It is recommended to use the product in rotation on a first-in first-out basis.

Notes: (1) White Cement (2) mainly Sulphates (3) Transmission Electron Microscopy

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