

DESCRIPTION :

weberfloor colour cement is a factory pre-packed, ready-to-use product designed to be used as a Dry Mix (Dry Shake), over freshly floated concrete & cement-sand screed. It offers an economical mean to beautify plain concrete or screed in light duty conditions of commercial and residential flooring.

weberfloor colour cement is a blend of Ordinary Portland Cement with finely ground high quality inorganic colour pigments and other proprietary ingredients.

Cementitious Binder used complies to BS 12 : 1996.

USAGE :

- Coloured topping coat – use as a topping coat to colour plain concrete / cement-sand screeded floors subjected to high service condition. Enhances the aesthetical appearances of plain concrete / screed surface.
- Coloured mortar / screed – mix 1 part colour cement to 3 part silica sand (ie. 25 kg **weberfloor colour cement** : 75 kg silica sand). Mix with approx. 16 liters of clean water (or 1 part colour cement : 3 part silica sand : 1 part water). such mixes however will result in the mortar having a lighter colour shade.
- Gap filler – to point joints of ceramic tiles etc.
- Suitable for use at dry or wet and internal or external floor areas.

Note :

Not recommended for flooring subjected to acids, salts or materials that may attack cement.

GENERAL PERFORMANCE :

USER FRIENDLY : Easily and quickly applied and worked onto surfaces of fresh concrete or screed as topping at normal temperatures.

INTENSE COLOUR : Offers an economy means to provide plain concrete or screed with a more intensely coloured surface.

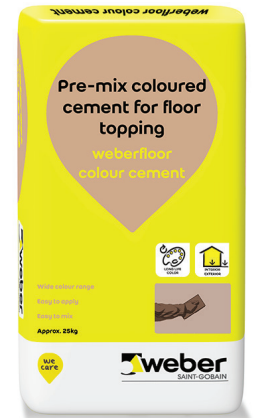
REDUCED DUSTING : Minimizes surface dusting; therefore eases maintenance & preservation of substrate. Subject to skill of applicator.

Note :

- With reasonable care & skill, attractive coloured floors can be obtained. However, where coloured products are concerned, colour or shade variation of the finished flooring may occur due to differences in the concrete mix, varying level of moisture content in the concrete, bleed water, temperature / weather conditions, curing condition, finishing techniques / workmanship, differences in thickness of colour cement applied, prevailing job condition, timing of application, over troweling or floating, efflorescence etc.
- The colour of **weberfloor colour cement** can be enhanced, protected and maintained with treatment of **weberprim sealers & impregnators series**.
- Certain colour may not be stable when expose to external conditions, please contact our Technical Advisory Department when making colour selection.

TECHNICAL DATA

Colour	: See Colour Chart
Density	: 1.56 g / cm ³
pH	: 11.5
Dry Solid Content	: 100%
Shelf Life	: 6 months
Inflammability	: No
Toxicity Hazard	: No
Topping Thickness	: Approx. 1 – 2 mm
Rate of Application	: Approx. 3 kg / m ² (2 coats)
Initial Setting Time	: 2 hours
Setting Time	: 24 – 48 hours
Application Temperature	: 5 – 45°C
Temperature Resistance	: 105°C
Frost Resistance	: - 30°C
Resistance to Acids	: Fair
Resistance to Alkalis	: Fair
Resistance to Oil & Solvents	: Fair
Resistant to Abrasion	: Fair
Flexibility	: Poor
Compressive Strength	: 3 Days = 30 – 32 N/mm ² : 7 Days = 40 – 45 N/mm ² : 28 Days = 52 – 58 N/mm ²



APPLICATION PROCEDURE :

As coloured topping coat (Monolithic Floors) :

- The base should be reinforced concrete slab of at least 100 mm thick. Prior to laying cement-sand screed, ensure that the concrete surface is dry, sound and free of contaminants.
- The screed should be at least 25 mm thick. The cement to sand ratio of screed mix should ideally not exceed 1 : 3 - 4; to control drying shrinkage. The screed mix should not contain salt water or salt contaminated aggregates.
- The screed should be lain / spread to as large an area possible. The screed must be leveled true or flat and well compacted. Ensure that during screeding the laitance build-up is minimized.
- Movement joints coinciding with those in the base slab must be provided accordingly.
- Transfer colour cement into pails, and broadcast by hand over screed (or concrete) surface ensuring that a uniform thickness is applied throughout. Avoid lumping colour cement as it may cause colour or shade variation.
- Colour cement is best applied in two application. apply at a rate of approx.. 3 kg / m². for first application (first coat) 2/3 of the colour cement should be applied & floated to work it into the screed / concrete surface. The remaining 1/3 is applied during second application and subsequently floated.
- Ensure that screed / concrete surface is free of bleed water; prior to first application.
- Once the colour cement had absorbed sufficient moisture (once the colour cement colour had darkened) with a wooden hand float or power float, float the colour cement evenly & consistently. Time the floating operation so it will not be necessary to sprinkle water on the surface as it may dilute the colour cement and causes colour / shade variation.
- As floating of the first coat of colour cement proceeds, follow immediately from behind with the second coat so it can absorb the moisture through the first coat of colour cement before it evaporates. Apply the second coat or color cement from a right angle to ensure an even application. should bleed water occurs during floating of first coat, delay application of second coat until bleed water dissipates.
- Once the second coat of **weberfloor colour cement** had absorbed sufficient moisture, which again is indicated by a darkening of its colour, float the surface with a hand trowel or power float (which float blades / disc float) ensuring an even and consistent application.
- **weberfloor colour cement** must first be applied to areas adjacent to forms, columns, pits and walls, as it losses moisture & stiffen rapidly; before proceeding to overall areas.
- Generally, application to thickness of 1 – 2 mm would suffice
- Avoid over troweling or floating as it will cause the colour cement to dissipate into concrete / screed. Should this occur additional application of the colour cement would be required, and this may lead to colour / shade variation.
- Allow colour cement topping to cure for 48 hours under cover of materials such as plastic sheet. It can only be subjected to light traffic after 3 days (preferably longer).

Note :

- It is advisable that the floors to be applied should be marked into bays to ensure an even distribution of **weberfloor colour cement**.
- Coloured pigmented products may discolour and / or form efflorescence under external weather conditions in time; which is a natural phenomenon.
- It is the responsibility of user / applicators to determine suitability of colour cement; prior to actual application.

COVERAGE :

Approx. 3 kg / m² base on 2 mm thick topping coat

PACKING :

Available in 25 kg bag.

SHELF LIFE / STORAGE :

At least 6 months; when stored in dry conditions of normal ambient temperature.

TECHNICAL SERVICES :

For further details or recommendation please contact our Technical Advisory / Specification Center at 603-6038 9498 (KL) & 604-626 2830 (Penang)

PRECAUTION :

- Avoid contact with eyes. If enters eyes wash out with water and seek medical attention.
- Keep away from children's reach.
- Avoid inhaling dust.
- May cause minor skin irritation to those with sensitive skin. Wear gloves or apply suitable barrier cream.

Conditions Of Sales :

Sold subject to Company's Condition of Sale, which is available upon request.

Note :

All instruction and information are provided by us for the general guidance only and are believed to be accurate and complete. Users must exercise special care and caution depending on the conditions and particular purpose of usage and are responsible to ensure that they have consulted our latest literature. To the maximum extent allowed by law, Saint-Gobain Weber (M) Sdn Bhd, its representatives, agents or distributors shall be under no liability for any loss of profits and other economic or physical losses.

Marketing Offices :

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Member OF :

- FMM, Malaysia
- MCIG, Malaysia
- MBAM, Malaysia
- MGBC (Malaysia Green Building Confederation)
- SGBC (Singapore Green Building Council)
- SIRIM Working Group - MS 1294 & MS 1295

OHSMS CERTIFIED TO ISO 45001 (CERT NO: MY16 / 02151)
EMS CERTIFIED TO ISO 14001 (CERT NO: MY13 / 04546)
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