

DESCRIPTION

COLORFLAKE ML is a multi-layered broadcast color flake system designed to provide the look of granite to flooring surfaces while providing substrate protection from slips, abrasion, wear and chemical attack.

USES

COLORFLAKE ML is an ideal system which can give floors and walls a very exclusive appearance. Ideal for showrooms, hotels and restaurants, boutiques, sales rooms, reception and main entrance, retail stores and bathrooms. A low maintenance, seamless floor that is an alternative to vinyl tile.

BENEFITS

- Slip resistance - for safety.
- Can be applied directly onto existing vinyl tiles.
- Excellent bond strength and abrasion resistance.
- Coving can be added as an integral part of flooring.
- Solvent - free, eliminates unpleasant and harmful odor.
- Chemical resistance - provide excellent resistance towards penetrating oils and liquids.
- Aesthetically attractive - a wide range of distinctive colors to brighten up dull areas.
- Hygienic - provide total seal, dense, impervious and seamless finish to prevent dirt, dust and bacteria built-up.
- Fast, easy application and installation which reduces downtime.

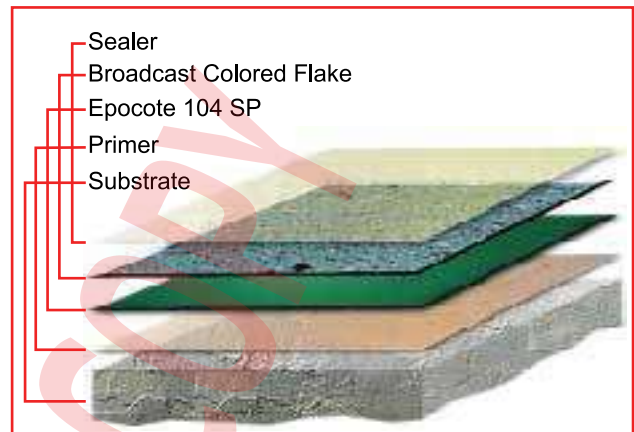
COLOR**Flakes Color Availability:**

Black, White, Green, Blue, Yellow, Pink, Purple & Grey.

Different colors can be blended together for a multi-colored appearance.

FINISH

Gloss, Satin and Matt.

**Technical Data :**

Bond Strength	Failure at concrete substrate / monolithic
Compressive Strength	45 N/mm ²
Shore D Hardness	75
Flexural Strength	30 N/mm ²
Tensile Strength	12 N/mm ²
Abrasion Resistance (wt.Loss mg / 1000 cycles)	0.25 gms/ 1000 gms Loading 1000 rpm
Impact Resistance	No cracking or delamination
Fungus & Bacteria	Does not support growth of fungus or bacteria
Chemical Resistance	COLORFLAKE ML has excellent resistant to wide range of industrial chemicals. Details of specific chemical chart is available upon request.

NOTE: Coverage figure given is theoretical. Due to wastage factors, the variety nature of the substrate, and the site application condition, etc., the practical coverage may be reduced.

The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance. Customers are advised to thoroughly test before adapting them to their own use. It is strongly recommended to trial on small area before large scale application.

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COLORFLAKE ML

AN ATTRACTIVE COLOR FLAKE EPOXY MULTILAYER SYSTEM

CEMKRETE®

ISO 9001 & 14000 CERTIFIED

APPLICATION PROCEDURE

SURFACE PREPARATION

The substrate to be coated must be sound, clean and free from any contamination. Total enclosed shot blasting or scarifying should be employed followed by thorough vacuuming. All applications must be carried out in accordance with manufacturer's written instructions.

APPLICATION

(Typical system Dosage to build up approximately 2mm thickness)

Thoroughly prepare the floor surface, if necessary, repair and level the floor surface. Deteriorating or spalling areas must be filled with **CEMKRETE'S** epoxy mortar system, prior to applying **COLORFLAKE ML** flooring system.

Packed components are pre-weighed for optimum performance. Never split or proportion packs. Add hardener B to Base A in a mixing container mix with a high power drill (750 rpm) and helical spinner, or in a pan type mixer, until uniform.

Apply **EPOCOTE 104 SP** using a squeegee or trowel with approx. 0.3kg/m² consumption (thickness 200µ). Immediately broadcast Cemcrete Color Flake on top of **EPOCOTE 104 SP** and flood the surface with a consumption rate of approximately 0.5kg/m².

Once cured, remove loose and excess flakes by sweeping, air vacuuming and blowing. Excess flakes can be recycled for future use provided they are clean and not contaminated.

Immediately seal entire surface with **EPOCOTE 104 SC / DURAFLOL SL WC** using short nap roller with consumption of 0.4kg/m² respectively.

Individual Product Data Sheet can be obtained upon request.

LIMITATION

COLORFLAKE ML should not be applied onto surfaces known to suffer from rising damp conditions or have a relative humidity greater than 75% as measured in accordance with BS 8203 Appendix A or by a Vaisala thermo hygrometer type HMI 31. If such an occurrence should happen it is recommended to apply **CEMFLOL MBS** as a moisture barrier. Further information is available upon request. If movement or cracking of the substrate takes place after application then reflective cracking of the topping may occur. All known expansion joints should be maintained in the topping.

TEMPERATURE

COLORFLAKE ML should not be applied on material or floor temperatures below 10°C. The temperature should not fall below 5°C in the 24 hours after application.

SUBSTRATE MOVEMENT

All moving joints must be carried through the **COLORFLAKE ML** and properly sealed. Construction joints and cracks may be covered but if substrate movement occurs, the **COLORFLAKE ML** will reflect the cracks.

REPAIRS AND LEVELS

All damaged areas of floor should be made good and up to level with **EPOFIX 712 MORTAR** applied over wet **UNIPRIME 134 EM**.

HEALTH & SAFETY

Some of the components of this product may be hazardous during mixing and application. Keep out of reach of children. For further information, refer to the product Material Safety Data Sheet, available upon request.

FURTHER INFORMATION

With a wealth of technical and practical experience built up over many years in our pursuit of excellence especially in the protective, flooring and concrete technology, make **CEMKRETE** your partner today. Contact our hotline today.

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