

Integral Colored Concrete

Superior Coloring

Streak Free Color
Uniform Color
Non-Fading
Durable

COLOREDCRETE INTEGRAL COLOR

DESCRIPTION

- Coloredcrete Integral Color, is a pre-measured admixture coloring ready to mixed in concrete during batching.
- Synthetic iron oxides and other additives would produce a uniform, streak free colors in concrete.
- Integral colored concrete is thoroughly colored and applied as slab or topping concrete.

USE

- Integral concrete is applicable at landscaping, driveways, pooldecks, sidewalk and anywhere you require colored concrete finish.

TECHNICAL PROPERTIES AND CHARACTERISTICS

| Description | Value |
|--------------|--|
| Mixing ratio | min 9/kg/cu.m concrete or 1.2 - 2.4 kg/bag of cement |
| Consumption | min. 1.2kg/2sqm /2 topping |

MIXING AND APPLICATION:

- Integral concrete colorant is mixed at batching plant or on site either in ready mix trucks or in 1 bagger mixer.
- Follow mixing ratio above and mix thoroughly with concrete.
- For more intense or stronger color, double the dosage.

NOTE:

- Concrete materials and water quantities on each batch must be controlled and consistent to prevent color variation.
- Preferably use a 4000 psi with 0.50 water to cement ratio or lower for driveways construction.
- Concrete is permeable and "wicks" moisture from beneath the slab, with moisture comes salts from the soil which can leave efflorescence on the surface.
- The 0.5 water to cement ratio or lower mix provides a geometric reduction in this "wicking" action.
- Do not add excess water as this will dilute concrete color.
- In cold climates air-entrained concrete must be used. This entrained air allows any moisture that enters the concrete to expand in microscopic air pockets during a freeze/thraw cycle instead of putting internal pressure on the concrete.
- Correctly place Control Joint with a minimum depth of 1/4 the concrete thickness.
- Slope the concrete properly for proper drainage to prevent flooding and concrete staining.
- Coloredcrete Activator may be used for better concrete adhesion and durability.

FINISHING

- After concrete is bull-floated it must be left alone until all the bleed water on top of concrete has evaporated before finishing. Starting the finishing too soon can trap surface water and create a weak surface.
- For sand finish surface, surface retarder or acid wash is recommendable.

CURING:

- Integrally colored concrete curing is same as young concrete curing depends to your concrete strength and required strength before opening to traffic.

Note:

- Do not use curing again which may affect surface color.

WASHING:

- Washing of the surface for sand finish or expose aggregate (If required). May commence 24-48 hrs after concreting.

RETARDERS:

- If surface retarders are used simply use high pressure washer to remove the top layer of the concrete and expose sand.

Note :

- Make same excess concrete in prevention to enter drainage and block the drain.
- If acid wash is required wet surface and apply acid / wash mix and bring to desired texture then rinse with water and neutralize the surface (conduct that on a small section to identify your acid/water ratio and methods of washing for your desired texture).

SEALING

- After washing, let surface dry completely and then apply 2 coats of coloredcrete sealer with an interval of at least 2 hrs between each coat.
- Surface may be touch dry within 30-60 minutes and can be open to foot traffic within 24hrs.
- Sealer full curing is within 5-7 days.

MAINTENANCE

- Integral color concrete should be cleaned and sealed just like any other construction surfaces. The frequency will depend on how high the traffic and what the area is exposed to.
- For home or low traffic it is recommended resealing every 2-3 years.