

# Contractor Guide MasterColor® Integral Color Admixtures for Decorative Concrete



## Do's

- Order a quality concrete mix with the appropriate slump for proper placement required.
- Colored concrete should have a max w/cm ratio of .45-.50.
- Place concrete on a well-drained, dampened sub-grade that has adequate and uniform load-bearing characteristics.
- Grade the sub-grade so that the concrete is of uniform thickness and properly sloped for drainage.
- Place, consolidate and screed the concrete, then float it to the specified grade, flatness, and levelness.
- Texture all surfaces adequately and uniformly for slip resistance.
- Finish all surfaces within reasonably the same time after placement.
- Finish the edges first and do all hand- finishing in the same direction.
- Protect the concrete surface from rapid evaporation of bleed water.
- Use an approved curing compound for proper curing of concrete.
- Protect the freshly placed concrete from freezing for the first 72 hours.

## Don'ts

- Don't use calcium chloride accelerators to achieve fast concrete set time.
- Don't order concrete in less than 3 yd<sup>3</sup> (2 m<sup>3</sup>) increments. Full color consistency is not guaranteed.
- Don't place concrete on a sub-grade that is not thoroughly compacted and dampened.
- Don't place concrete over freestanding water or muddy, frozen or soft spots.
- Don't add water after a portion of the load has been discharged, or retemper concrete that has started to set.
- Don't sprinkle water, or otherwise add water to the surface during finishing operations.
- Don't use inconsistent finishing practices.
- Don't over-trowel (burn or burnish) the concrete surface.
- Don't use plastic sheeting or water curing methods to cure colored concrete.
- Don't allow items to stand on concrete during the curing process.

**Sample panels best represent the in-place appearance and are strongly recommended.** These panels are the best method of ensuring that the final in-place concrete will not only be the correct color choice, but also the finish that will meet the owner's expectations. Since concrete takes 28 days to cure, reviewing sample panels prior may not represent the final cured appearance.

### About Master Builders Solutions

Master Builders Solutions is a leading global manufacturer of concrete admixtures, as well as other sustainable solutions for the construction industry, focussed on delivering its vision: **Inspiring people to build better.** Master Builders Solutions provides value-added technology and market-leading R&D capabilities to improve the performance of

construction materials and to enable the reduction of CO<sub>2</sub> emissions in the production of concrete. Founded in 1909, Master Builders Solutions has ca. 1600 employees operating 35 production sites globally, supporting their customers in mastering their building challenges of today – for a decarbonised future.

## Guía para Contratistas MasterColor<sup>®</sup> aditivo integral con color para concreto decorative



### Sí

- Ordene una mezcla de concreto de calidad con el revenimiento adecuado para la colocación requerida.
- El concreto coloreado debe de tener una relacion agua-cemento maxima de 0.45-0.50.
- Vacíe el concreto sobre una sub-base que tenga soporte de carga uniforme y drene de manera correcta.
- Nivele la sub-base para que el concreto tenga un espesor uniforme y la pendiente apropiada para su drenaje.
- Vibre o compacte con regla vibratoria el concreto, después flote hasta conseguir el nivel y la planicidad adecuados.
- Texturize las superficies de forma uniforme y adecuada para obtener resistencia al deslizamiento.
- Acabe todas las superficies en aproximadamente el mismo tiempo después de vaciado el concreto.
- Primero realice el acabado a los bordes y posterior haga todo el acabado a mano en la misma dirección.
- Proteja la superficie del concreto de una rápida evaporación del agua de exudación.
- Utilice un compuesto de curado adecuado para curar el concreto.
- Para congelamiento: proteja el concreto recién colocado durante las primeras 72 horas.

### No

- No use acelerantes base cloruro para acelerar el fraguado del concreto.
- No ordene menos de 2 m<sup>3</sup> de concreto. La consistencia del color puede disminuir.
- No coloque concreto sobre una sub-base que no está compactada y húmeda.
- No añada agua después de haber descargado parte del concreto, ni retemple el concreto que ha empezado a fraguar.
- No rocíe agua o añada agua a la superficie del concreto durante las operaciones de acabado.
- No aplique métodos de acabado que no sean consistentes.
- No utilice láminas plásticas para curar concreto de color.
- No permita circulación sobre el concreto durante el periodo de curado.

**Los paneles muestra representan mejor la apariencia y son altamente recomendados.** Estos paneles son el mejor método para asegurar que el concreto colado en sitio, no sólo será la mejor elección, sino que también cumplirá con el acabado requerido por el propietario. Puesto que el concreto tarda 28 días en curar, los paneles de muestra pueden no representar la apariencia final.

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