



# Iron Oxide

Synthetic Iron Oxide Pigments  
3300 – Integral Concrete Coloring

## PRODUCT DESCRIPTION

Concretech Synthetic Iron Oxide Pigments are high quality synthetic blended iron oxide pigments for use in cast in place, slab on grade, tilt up, pavers, masonry, mortar, stamped concrete, shotcrete or any place color in concrete is used. Concretech synthetic iron oxide pigments are available in a wide array of standard colors and can be custom matched to meet design requirements.

## TECHNICAL DATA

<b>Appearance:</b>	11 Standard oxides and 25 oxide blends.
<b>Yield:</b>	Special (color intensity dependant, up to 5%)
<b>Shelf Life:</b>	Shelf life under normal conditions is one year. Store in cool dry area out of direct sunlight. Store in sealed containers. Pigment that has been exposed to moisture for prolonged periods should be discarded.
<b>Standards:</b>	Compliant with ASTM -C979

## PROPERTIES

As Supplied:	synthetic iron oxide powder.
Primary Colors:	55 standard
Blended Colors:	25 standard
* custom colors available	

## INSTALLATION INSTRUCTIONS

Confirm color, weight, mix-ratio and weight of bag or combination of bags prior to starting. Specify air content and maintain throughout job. Wet mixer with 2/3 mix water and toss in Concretech disintegrating bag(s) then add remaining ingredients and mix water, mixing at charging speed, for at least 5 minutes. Schedule loads for consistent mix times. Place at least 4" depth concrete of a mix suitable for design use (i.e. stamped concrete) not to exceed a 5" slump. Screenshot in two directions providing a consistent and uniform surface. Allow bleed water to dissipate before final troweling. Late or hard troweling may cause "burns" or dark spots. Keep troweling to a minimum to prevent discoloration and color inconsistency. Do not add water to surface or tools while troweling or finishing as this may cause light spots of color and reduce surface strength. All colored concrete surfaces shall have a sealer or water repellant coating applied to protect the finish from moisture and oxidization. Apply Concretech Cure and Seal (CS 15) as soon as possible. Follow up with Concretech High Solids Sealer (CS 25 or CS 30) after 28 days. Follow Concretech Technical Bulletins for the applied product.

## USES

For use on all interior and exterior concrete, stamped concrete, colored and flat work concrete as well as any typical area where concrete or decorative color is used.

## BENEFITS

Color's concrete. Provides a consistent color throughout entire concrete depth.

## PACKAGING

Concretech synthetic iron oxide pigments are available in 1 lb, 6.5 lb and 50 lb disintegrating bags.

## PREPARATIONS

Refer to Concretech Architectural Specifications for installation procedures, base preparation, forming and product information

## LIMITATIONS

Do not use color with mixes that contain chloride admixtures. Maintain slump of less than 5". Use the same pigment to cement ratio throughout. Use same brand, type and ratios of cement, aggregates and admixtures throughout project. Do not cure with plastic sheets, water or curing agents that may discolor the surface. Do not leave wood or other products on the surface while curing, as this will cause discoloration.

## SAFETY PRECAUTIONS

**Caution** - Wear protective clothing, rubber gloves, eye protection and dust respirator mask. Prolonged exposure may result in respiratory illness. Keep away from children.

**First Aid** -Flush contaminated areas immediately. Remove contaminated clothing. Wash hands with soap and water. Flush eyes with clean water or eye wash solution. In all cases seek immediate medical attention.



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## Warranty

Concrete Chemical Technologies Inc.'s sole warranty is that our products have been manufactured to meet with our written specifications. The information herein is general information to assist our customers in determining whether our products are suitable for their applications. Our products are intended for sale to commercial and industrial customers. We require customers to inspect and test our products before use and to satisfy themselves as to contents, suitability and applications. Nothing herein shall constitute any other warranty, express or implied, including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent inferred. All patent and trademark rights are reserved. The exclusive remedy for all proven claims is placement of our materials and in no event shall we be liable for incidental or consequential damages.