HIGH PERFORMANCE FLOOR COATINGS

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INCRETE CHROMA-QUARTZ

PIGMENTED QUARTZ AGGREGATE FOR RESIN FLOORING SYSTEMS

EUCLID CHEMICAL

PACKAGING

50 lb (22.7 kg) bags

YIELD

Single Broadcast: 0.45 lb ft^2 (2.2 kg/m^2)

Double Broadcast: 0.8. lb/ft^2 (3.9 kg/m^2)

APPEARANCE

Dry pigmented sand-like appearance available in 15 standard colors and 5 specialty colors. Can be used individually or blended.

CLEAN UP

Clean spills by sweeping and collecting the material.

SHELF LIFE

Unlimited in good storage conditions

BRIEF OVERVIEW

INCRETE CHROMA-QUARTZ consists of quality quartz aggregate pigmented with a high performance surface coating and iron oxide pigments. INCRETE CHROMA-QUARTZ is designed to be used in resin broadcast and trowel applications like Euclid Chemical's EUCOPOXY TUFCOAT DBS. One of several high performance flooring options, INCRETE CHROMA-QUARTZ is used with either INCRETE HP EPOXY or INCRETE POLYSEAL, to create a durable and beautiful interior floor that is chemical and abrasion resistant as well as non-slip. Available in 15 standard and 5 special colors that can be used individually or blended in different combinations for an almost limitless variety of colors.

PRODUCT CHARACTERISTICS

ADVANTAGES

- Decorative, aesthetic appearance
- Seamless
- Alternative to trowel applied systems
- Easy to maintain
- Long-term service life
- High abrasion and chemical resistance
- 15 standard colors

COMMON APPLICATION METHODS

- Broadcast into resin
- Mix with resin and trowel down

PHYSICAL PROPERTIES

- Dry pigmented, sand-like granules

COMMON USES

- Food processing areas
- Locker rooms/showers
- Kitchens
- Schools
- Restrooms
- Chemical processing
- Hospitals
- Walkways
- Correctional facilities
- Restaurants
- Lobbies
- Garages
- Auto service centers

TECHNICAL INFORMATION

Hardness Moh's Hardness Scale 6.5-7.0
Bulk Density ASTM C29/C29M-97... 90-100 Lbs./ ft³
Specific Gravity ASTM C128-01 ..... 2.65

Composition (Typical)

Material	**% Weight**
Silica Sand	97.5%
Resin	2.0%
Various colorants	0.5%

Chemical Analysis (Typical base mineral)

SiO2	99.808%
Fe2	0.016%
Al2O3	0.042%
CaO & Mg	O 0.200%
Loss on Ignition	0.100

Sieve Analysis (ASTM D451-91 (2002))

Sieve	**(% Retained)**
#30 (0.6 mm)	36.5
#40 (0.425 mm)	91.0
#50 (0.3 mm)	99.8
Pan	100

DIRECTIONS FOR USE

SURFACE PREPARATION

This epoxy floor coating system is designed for application on concrete substrates. Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and other contaminants. Mechanically abrade the surface to achieve a surface profile equal to CSP 2-4 in accordance with ICRI Guideline 310.2. Properly clean profiled area. The pH of the surface should be checked according to ASTM D 4262. Following surface preparation, the cleaned surface should have a minimum surface-tensile strength of 200 psi (1.4 MPa) when tested with an Elcometer or similar pull tester (ASTM D 4541). Before applying the coating, use the "Visqueen" test (ASTM D 4263) or "Calcium Chloride Test" (ASTM F 1869) to evaluate the moisture level in the concrete. Do not proceed if a moisture vapor drive condition exists. Moisture vapor emission rate may vary over time depending upon environmental conditions. All steel surfaces should be blasted in accordance with SSPC-SP10 or NACE #2 to a "near white" finish using clean dry blasting media.

MIXING

Pre-mix Part A and Part B, then combine 2 parts by volume of Part A with one part by volume of Part B and mix thoroughly using a low-speed drill motor and a "Jiffy" type mixer. Mix only the amount of material that can be applied during the post life. Do not aerate the mix.

APPLICATION

Spread the mixed epoxy with a notched squeegee while wearing spiked shoes. Start from one end of the floor and work backwards and sideways trying to keep a wet-to-wet edge. The coating should then be rolled in one direction using a 3/8 in (9.5 mm) nap, shed-resistant roller. Make sure that the material is applied as quickly as possible without leaving puddles. Discard container after use.

QUARTZ BROADCAST

While wearing spiked shoes, broadcast the INCRETE CHROMA-QUARTZ sand by allowing it to fall as vertically as possible from a chest-high level. Broadcast uniformly onto the wet substrate until the substrate is no longer visible and the quartz appears and remains dry in appearance. Allow a minimum of 6 hours at 73 °F (23 °C) drying time. Sweep or vacuum excess quartz aggregate from the surface and as a precaution, cover shoes with plastic to prevent marking or heel marks on the new surface. If areas appear to be uneven or are not level, sanding may be required. The surface is now ready for the topcoat.

TOPCOAT

Apply clear INCRETE HIGH PERFORMANCE EPOXY or INCRETE POLYSEAL coat as directed. For greater abrasion and chemical resistance a final coat of INCRETE URETHANE or INCRETE URETHANE WATER BASED may be applied. For fast track projects, INCRETE POLYSEAL HS may be used.

PRECAUTIONS/LIMITATIONS

- Store at temperatures between 50 to 90 °F (10 to 32 °C).
- Do not aerate during mixing.
- Do not mix or apply unless surface, air and material temperatures are 50 °F (10 °C) and rising.
- Do not apply if surface temperature is within 5 °F (-15 °C) of the dew point in the work area.
- Cure new concrete 28 days before application.
- Do not apply to slabs on grade unless a heavy uninterrupted vapor barrier has been installed under the slab.
- Do not apply if the floor is subject to moisture vapor drive or hydrostatic pressure.
- INCRETE HIGH PERFORMANCE EPOXY will yellow upon prolonged exposure to sunlight or high-intensity artificial lights.
- For applications requiring color stability, INCRETE URETHANE or INCRETE URETHANE WATER BASED should be used as a topcoat.
- Although epoxy coatings are chemically resistant, surface staining of the coating may occur after contact with some chemicals. Apply a urethane top coat for additional protection against chemicals.
- For professional use only.
- In all cases, consult the Safety Data Sheet before use.

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