



INCRETE LEVEL TOP PC-AGG

POLISHABLE SELF-LEVELING OVERLAYMENT WITH NATURAL AGGREGATE

EUCLID CHEMICAL

PACKAGING

50 lb (22.7 kg) bags

YIELD

Approximately 0.44 ft³ (0.011 m³) of material. 10-11ft² (0.92-1.02 m²) @1/2 in (12.7 mm) thickness, and approximately 14-15 ft² (1.30-1.39 m²) @3/8 in (9.52 mm) thickness.

MINIMUM/MAXIMUM APPLICATION THICKNESS

Min: 3/8 in (9.52 mm)

Max: 3 in (76.2 mm)

APPEARANCE

Dry powder in natural gray. Many other colors available.

CLEAN UP

Clean tools and equipment with water before the material hardens.

SHELF LIFE

9 months in original, unopened bag.

SPECIFICATIONS AND COMPLIANCES

- USGBC LEED Version 4, BD&C, ID&C
- ANSI/GBI 01, Green Building Assessment Protocol
- The WELL Building Standard

BRIEF OVERVIEW

INCRETE LEVEL TOP PC-AGG is an easy-to-use, self-leveling re-surfacing compound with graded natural aggregates that provide a true salt and pepper look after grinding and polishing. Designed for use on either new or worn concrete substrates. INCRETE LEVEL TOP PC-AGG provides excellent adhesion, toughness, and long-term durability. INCRETE LEVEL TOP PC-AGG can be ground and polished to achieve the appearance of polished concrete. The high-early strength allows polishing within 24 hours of placement.

PRODUCT CHARACTERISTICS

ADVANTAGES

- Self-leveling
- May be integrally colored, stained or dyed
- May be polished within 24 hours
- Acceptable as an underlayment
- Micro-fiber enhanced
- For interior and exterior surfaces
- Can be coated in 24 hours
- High early strength for fast turn-around
- Compatible with liquid densifiers

COMMON USES

- Leveling interior concrete substrates
- Decorative/polished wearing surfaces
- Fast track applications
- Retail, commercial and residential applications
- 3/8" (1 cm) to 3" (2.54 cm)
- 40 °F (4 °C) to 90 °F (32 °C)

COMMON METHODS

- Pourable
- Pumpable

PHYSICAL PROPERTIES

- Single component
- Mix with 7 pints of water per 50 lb bag
- Working Time: 20-30 minutes
- Initial Set: 50-80 minutes
- Final Set: 100 to 180 minutes

TECHNICAL INFORMATION

TYPICAL ENGINEERING DATA

The following results were developed under laboratory conditions @ 70 °F (21 °C)

Compressive Strength ASTM C 109 2 in (50 mm) cubes	Unit Weight approx 134 lb/ft ³ (2,146 kg/m ³)
4 hours.....2,000 psi (14 MPa)	Set Time, ASTM C 191 Initial.....50 to 80 min
24 hours.....4,800 psi (33 MPa)	Final.....100 to 180 min
7 days.....5,700 psi (39 MPa)	Minimum thickness*3/8 in (9.52 mm)
28 days.....7,000 psi (48 MPa)	*Foot traffic only
Flow Timeapprox 20 min	Minimum thickness for polishing .. 3/8 in (9.52 mm)
Working Timeapprox 20-30 min	Maximum thickness3 in (76.2 mm)
Dry Polish24 hours	
Stain or Coat Time12-24 hours	

DIRECTIONS FOR USE

SURFACE PREPARATION

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 3-5 in accordance with ICRI Guideline 310.2. Properly clean profiled area. Before installing INCRETE LEVEL TOP PC-AGG all concrete sub floors must be primed with INCRETE HIGH PERFORMANCE EPOXY or other approved Euclid Chemical epoxy bonding systems, then sanded to refusal. Apply mixed epoxy bonding agent system (see product data sheet for mixing instructions) to the properly prepared substrate at a rate of 75 to 100 ft²/gal (1.8 to 2.5 m²/L). Squeegee the epoxy into place, scrub it into the substrate, then back roll to ensure a uniform application. While the epoxy is still wet, broadcast a washed, dried, non absorptive/reactive (per ASTM C 227), 16/30 mesh sand onto the surface until it is completely saturated with sand and appears dry. Application rate for the sand is approximately 1 lb/ft (4.9 kg/m²). After the sand is applied, the surface should have a uniform appearance with no damp or wet areas visible. If so, apply more sand to those areas until they appear dry. Allow the epoxy to fully cure. Remove all loose, unbonded sand by vacuuming it off prior to topping application. INCRETE LEVEL TOP PC-AGG should only be installed when ambient and substrate surface temperatures are between 50 and 90 °F (10 and 32 °C), with the optimum installation temperature around 70 °F (21.1 °C).

APPLICATION PROCESS

Add one 50 lb (22.7 kg) bag of INCRETE LEVEL TOP PC-AGG to 7.00 pints (3.4L) of cool water in a clean mixing vessel. Mix for a minimum three minutes, and adjust the water by adding up to 0.25 pint, if required. Add no more than a total of 7.25 pints (3.43L) of water. A drill and paddle or Helix mixer may also be used. We do not recommend the use of drum-type concrete mixers as they do not create the shear needed for proper mixing. If using an approved Increte integral colorant, add color to water prior to the addition of INCRETE LEVEL TOP PC-AGG. A large mixer can be used for a multi-bag batch.

PLACEMENT

Pour/pump all mixed material onto the primed surface and spread with gauge rake at the required thickness of. Euclid Chemical recommends a cam style gauge rake, not a skid or wire style. All existing joints and any moving cracks must be honored up through the topping. INCRETE LEVEL TOP PC-AGG can be applied up to 3 in (76.2 mm) thick. When applying, be sure to keep a wet edge. Use a smoother or porcupine spike roller to remove any entrapped air. If using a spike roller make sure the spike length is twice the depth of the PC-Agg. Roll back and forth once. Over rolling can force the aggregate down requiring more grinding to expose. Also, care should be taken to avoid forcing the separation of aggregate while spike rolling the INCRETE LEVEL TOP PC-AGG. Smooth with Magic Trowel if desired.

CURING

INCRETE LEVEL TOP PC-AGG does not require curing with standard methods for most applications. Avoid excessively windy or dry placement conditions. Do not apply in direct sunlight. Follow ACI 306 Procedures for Cold Weather Concreting or ACI 305 Procedure for Hot Weather Concreting when applicable. Do not wet cure.

DIRECTIONS FOR USE CONT.

POLISHING

Once placed and after the INCRETE LEVEL TOP PC-AGG has cured for at least 24 hours, the surface can be dry polished to a high-gloss finish using standard concrete polishing practices. INCRETE LEVEL TOP PC-AGG may also be chemically densified with Euclid Chemical's EUCOSIL or any of Euclid Chemical's line of densifiers. The use of Euclid Chemical's ULTRAGUARD or any of the approved Euclid Chemical's guard products is recommended to protect your polished floors. **(See product data sheet for application instructions)**

PRECAUTIONS/LIMITATIONS

- When used for a decorative application, a test area is highly recommended to ensure desired results.
- Not for use as a heavy-duty surface for industrial floors.
- Steel wheels and dragging sharp heavy objects can indent or gauge the surface.
- Slight variation of color and marks may show in the surface due application methods, multi bag applications will achieve a more uniform finish.
- Always keep a wet edge.
- Use proper tooling.
- Do not add admixtures or calcium chloride.
- Do not use if ambient temperatures will fall below 40 °F (4 °C) within 72 hours after placement.
- Store in a dry place.
- For professional use only.
- In all cases, consult the Safety Data Sheet prior to use.

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DISCLAIMER: Level Top Polishable overlay systems are designed to create a "Polished Concrete" appearance to refresh the look of older concrete floors. The overall appearance of these floors is not intended to be completely uniform or perfectly homogeneous like epoxy coatings. The variations of mixing equipment and in placement application techniques like screeding and smoothing will create variations in the overall appearance of the finished floor after the cutting and polishing procedures remove the top layer of cement paste and expose the actual "look" of the concrete overlay. Other visual variations that become visible after the grinding and polishing procedure can include varying aggregate colors, naturally occurring air voids ("pin-holes"), and/or possible discolorations from various raw materials commonly referred to as "specs", "lumps", or "snowflakes". These slight variations in visual appearance in no way diminish the performance of the floor or its durability when the complete installation procedure including sealers and guards is performed correctly.