TECHNICAL DATA

SPECLEVEL PCT-GRAY

GREENCONSCIOUS

High Performance Self-Leveling Polishable Concrete Topping

DESCRIPTION

SPECLEVEL PCT-GRAY is a cement-based, self-leveling polishable concrete topping that when polished, creates a consistent gray architectural finish.
SPECLEVEL PCT-GRAY produces a dense hard surface that can be diamond polished in as little as 24 hours.
MIX **SPECLEVEL PCT-GRAY** with water, pour or pump, and it will seek its own level to produce a smooth, hard wearable surface.
SpecLevel PCT-GRAY dries to a light concrete gray and will accept integral color or stains.

FEATURES/BENEFITS

- **SPECLEVEL PCT-GRAY**, when properly mixed, produces a self-leveling, wear topping with a flow time of 20 minutes at 70°F
- Self-leveling, pumpable, requiring no troweling
- Produces a smooth, tough wearable surface
- Accepts integral color and concrete stains
- Can be diamond polished in 24 hours
- USDA accepted

APPLICATION

SPECLEVEL PCT-GRAY can be applied in thicknesses ranging from a minimum 3/8" up to 1.5". It can be installed up to 5" in thickness with the addition of pea gravel.
Floors subjected to high-load rubber wheeled traffic require minimum 1/2".

SPECLEVEL PCT-GRAY will develop a superior bond to the substrate and will normally accept foot traffic within 3 to 4 hours depending upon heat, humidity and other jobsite conditions.

PREPARATION: To prepare surface, follow all standard ACI recommendations. Remove all dirt, gas, oil, grease, asphalt, paint, curing compounds, and all loose surface materials. Concrete substrates should be profiled to a minimum CSP #4, shot blasting is preferred.

PRIMING: Prime all surfaces with **SpecPoxy 1000** at approximately 100 sq. ft. per gallon. Apply with a notched squeegee, broom, or roller to assure complete coverage. Coverage will depend upon the condition and texture of the surface. While the epoxy is still wet (max. 30min.) broadcast a course dry sand (16/40 gradation) to the point of refusal (approximately 1 lb. of dry sand per sq-ft) Allow to dry a minimum of 12 hours and remove any loose sand with a broom and vacuum before applying **SPECLEVEL PCT-GRAY**
MIXING: Pour 7 pints of water into a mixing container, then add a 50 pound bag of **SPECLEVEL PCT-GRAY**. Mix for a minimum of 3 minutes with a blending paddle attached to a heavy duty drill (650 rpm), or a Helix Mixer until the mixture is smooth and free of lumps. To reduce flow for a thicker consistency, add 6.5 pints of water per 50 lbs of powder. Do not overwater or retemper.

APPLICATION (con't)

When mixing larger batches (3-4 bags in a large mixer), mix for a minimum of 4-5 mins to assure a homogenous consistency. For pumping applications, mix for a minimum of 3 minutes in the pump's mixing tank.

SPECLEVEL PCT-GRAY can be extended by adding 15 pounds of clean 3/8" pea gravel for each 50 pounds of product. First mix **SPECLEVEL PCT-GRAY** as provided in earlier instructions. During the last minute of mixing, add the required aggregate. Should a finish coat be required, apply a non-extended layer of **SPECLEVEL PCT-GRAY** after the 1st extended layer has hardened and been re-primed with another layer of SpecPoxy 1000 and sand.

INSTALLATION: Pour **SPECLEVEL PCT-GRAY** over the substrate spreading the material with a long handled spreader or gauge rake. **SPECLEVEL PCT-GRAY** can be pumped using an appropriately sized grout pump. For more information on grout pumps and pumping, please contact SpecChem.
No troweling is necessary. **SPECLEVEL PCT-GRAY** will level itself during the first 20 minutes at 70°F, and will accept foot traffic in 2-4 hours depending upon jobsite conditions. We recommend wearing cleated shoes when installing **SPECLEVEL PCT-GRAY**.

TYPICAL TEST DATA

Set Time at 70°F (ASTM C266)	
Initial Set	60 min
Final Set	100 min
Compressive Strength (ASTM C109)	
1 day	2500 psi
7 days	4000 psi
28 days	5000 psi
Bond Strength (ASTM C882 modified)	
7 days	1350 psi
Flexural Strength (ASTM C348)	
28 days	1100 psi
Yield/Density	
Yield per bag	.45 cu-ft (135 lbs/cu-ft)

SPECCHEM
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APPLICATION- WOOD FLOORS

SpecLevel PCT-GRAY can be applied over wood floors however the following substrate preparation is essential.

SURFACE PREPARATION: Wood subfloors must be solid hardwood flooring a minimum of ¾" thick. The wood floor must be solid and securely fixed to provide a rigid base that ensures no flexing. Any areas showing any movement must be re-nailed. The wood floor must also be completely free clean, free of any wax, dust, grease and any contaminates that could possibly interfere with adhesion.

PRIMING: Wood subfloors also require priming with SpecPoxy 1000 and sand. follow all previous instructions in regards to priming.
Once the excess sand has been thoroughly removed, install galvanized, expanded metal lath mesh, stapling every 6 inches. Overlap adjacent pieces of lath mesh by approximately 1 inch.
It is the contractors responsibility to ensure the subfloor is thoroughly clean, rigid and showing no flexibility prior to the application of **SpecLevel PCT-GRAY**.

LIMITATIONS/PRECAUTIONS

SpecLevel PCT-GRAY is not recommended in locations subjected to freeze thaw or deicing salts. In adverse temperatures, follow ACI recommendations for hot/cold weather concreting practices. Protect from wind and extreme high temperatures until material has reached final set.
Use only potable water for mixing.

Do not install **SpecLevel PCT-GRAY** when the average daily temperature is less than 45°F. During hot weather, work quickly and use cold water for mixing, as the average working time will decrease.

SpecLevel PCT-GRAY is adhered with SpecPoxy 1000 and sand. Concrete must be structurally sound and free of all contaminates that may inhibit adhesion of the epoxy. All moving cracks or joints must be honored. Any dormant cracks or joints should be filled with SpecPoxy 1000 and sand. Concrete should be a minimum 3000 psi.

Minimum surface and ambient temperature of 45°F and rising is required at the time of application.
For optimum results, condition material to between 65 °F and 85°F.

Caution: Contains Portland cement and sand. Cement will cause irritation. Avoid contact. A dust respirator, safety goggles, and rubber gloves are recommended. Avoid prolonged contact with clothing. In case of contact with eyes, immediately flush with water for at least 15 minutes. Get prompt medical attention. Do not wear contact lenses when working with this product. DO NOT take internally. Keep out of reach of children.
Avoid hazards by following all precautions found in the Safety Data Sheet (SDS), product labels, and technical literature. Please read this information prior to using the product.

PACKAGING

50 lb. bag
Coverage: approx. 15 sq.-ft. @ 3/8"

CLEAN UP

Tools, pumps, and equipment may be cleaned with water before **SpecLevel PCT-GRAY** hardens.

SHELF LIFE

Shelf life of unopened bags stored in a dry facility is 12 months. Excessive temperature differential and/or high humidity can shorten the shelf life expectancy. Store in a cool, dry area away from direct sunlight.

WARRANTY

NOTICE-READ CAREFULLY
CONDITIONS OF SALE
SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.
WARRANTY LIMITATION
SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.
INHERENT RISK
Purchaser assumes all risk associated with the use or application of the product.

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