

Param 6000

Pristine Polish self-leveling concrete topping

düraamen

engineered to perform

DESCRIPTION

Param 6000 is Portland cement based, high strength, fast setting, self-leveling concrete which accepts chemical (acid) stains, dyes and polishing. It is designed to be used as a wear surface. Param 6000 can be installed from 1/4" to 5" thickness in single lift. It is ready for foot traffic within 3-4 hours of its installation.

ADVANTAGES

- No trowelling required; it is self-leveling
- Superior bond to various types of substrates
- Rapid early strength - accepts foot traffic in 3 hours – achieves 2000psi in 3-4 hours
- Contains no protein additives; no gypsum
- Maintains workability (healing properties) for 25 minutes (depending upon ambient conditions)
- Does not promote the growth of mold or mildew
- Very fluid, ideal for pouring and pumping
- Non-shrink; does not cause dusting
- Accepts various coloring systems - integral colors, reactive (acid) stains. Dyes (water or solvent)
- Can be polished with different polishing machines

SUBSTRATE REQUIREMENTS

- Clean the areas and remove all unsound concrete, grease, oil, paint, asphalt, tar and any other foreign materials that will inhibit performance
- Substrates must be stable, solid and structurally sound
- Substrate must be mechanically profiled by shot-blasting, sand blasting or scarifying to achieve a CSP 4 to CSP 5. Acid etching or chemical cleaning is not acceptable
- After cleaning and profiling, test for MVER (moisture vapor emission rate)
- Do Not install Param 6000 over coal, tar or asphalt waterproofing systems
- Movable expansion or control joints must be reflected through Param 6000.
- Moisture vapor transmission must be less than 3lb/1000ft²/24hr (as per ASTM F1869) and less than 80% RH as per ASTM F2170. For higher moisture levels, consult your Duraamen representative.

INSTALLATION STEPS

PRIMING

- Prime the concrete substrate with 100% solids epoxy coating (Perdure E02 / Perdure E10) and broadcast 30 mesh sand to rejection. Allow the coating to dry completely before installing Param 6000.
- If the moisture vapor emission from the concrete substrate exceeds 3lb/1000ft²/24hr (as per ASTM F1869), we recommend installing Perdure MVT as a primer.

MIXING & INSTALLATION

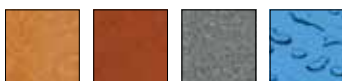
- Before the application of Param 6000, close all doors, windows and protect it from direct sunlight.
- Adequate amount of interior air movement and ventilation is required to obtain an even pattern of the curing process. Lack of proper interior ventilation can affect drying and appearance.
- The "mixing station" should be set up outside of the area to be poured so as no dust can affect the pouring area or create a bond breaking situation. The dust caused due to mixing may cause delamination.

Manual Installation

- Mix 2 bags of Param 6000 at a time. For each bag, first add 4.75 to 5.0 quarts of clean potable water into a mixing drum.
- Add the bags of Param 6000 slowly while mixing at full speed with a paddle mixer attached to a heavy duty 1/2in drill (min. 650rpm)
- Mix completely for a minimum of 2-3 minutes until the mix is lump free or until the mix is homogenous adding no additional water. It is important to keep the water addition at the lowest possible level that produces a free flowing mix.
- At higher temperatures it is recommended that the mixing water is iced to chill.
- Pour the blended Param 6000 on the floor and disperse with a leveling gauge rake set to the proper depth required. Follow this as quickly as possible by smoothing with the proper smoothing tool. Make sure that you keep the pouring ribbons fresh so as to maintain the leveling properties. Each ribbon poured on the floor should be meshed into the previously poured ribbon making sure that it is still fresh and workable.
- The crew who are actually pouring and finishing the blended material on the floor should wear cleats (preferably non-metal) to avoid slippage on the wet material and reduce any foot marks into the freshly poured material.

Pumping Installation

- Most pumps have a capacity for a certain amount of bags per hour. When pumping, determine that amount of bags, multiple



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it by 4.75 to 5.0 quarts and set your water flow meter at the prescribed amount of gallons per hour. Using only one section of hose, start the pump and when the material is discharging in a well mixed state adjust your water accordingly to the top of the material is not over watered.

- If you see a heavy water discharge to the top of the material or a discoloration and/or white streaking you are over watering the material. This technique and visual aid supply to both pumping and manual installation. Should these things be noticed, immediately reduce the water.

CURING

- Param 6000 is self curing. Therefore do not use damp curing methods or curing and sealing compounds. Protect it from excessive heat conditions during its initial curing stage. Turn off all forced ventilation and radiant heat systems for the first 24 hours or after the application of sealers/coatings.

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with Xylene or Lacquer thinner. Consult MSDS for safety and health precautions.

COVERAGE

Param 6000 yields 25ft² per gallon per bag at 1/4inch thickness.

AVAILABILITY

Param 6000 is available throughout the United States and Canada. Contact Duraamen representative in your area for details. The shelf life of Param 6000 is six months from the date of manufacture.

MAINTENANCE

After completing the installation, the applicator should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly. Properly sealed Param 6000 is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Treating the surface with a floor finish (Smartgard) is optional. Long periods of heavy traffic may cause wear patterns necessitating application of a finish coat.

TECHNICAL SERVICE

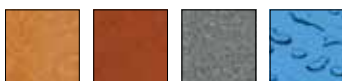
Duraamen Engineered Products Inc. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

TECHNICAL DATA

Density	125lb/ft ³
Mixing Ratio	4.75 to 5.0 quarts per 50lb bag
Flammability (ASTM E84)	
Flame Spread	0
Fuel Contribution	0
Smoke Development	0
Compressive Strength (ASTM C 109)	
24hours	5000psi
28 days	6100psi
Flexural Strength 28 days	1150psi
Tensile Strength 28 days	570psi
Set Times (ASTM C191)	
Working Time	20 min (depending on temp & humidity)
Initial Set	1.5hours
Final Set	2 hours

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