



153 Regur Road
Hawkinsville, GA 31036 USA
1.478.892.9800
888-743-3750
www.oxycool.com

POWER-LEVEL

PRODUCT DATA

Features and Uses

- Interior and exterior use.
- Polymer modified for added flexibility and perfect adherence to concrete.
- Yields a smooth and leveled surface with minimum labor at thickness of $\frac{1}{4}$ inch to 1 inch.
- Used to prepare subfloor for installation of carpet, tiles, wood flooring and many coatings.
- Perfect for **leveling uneven concrete, filling depressions, resurfacing rough or scaled concrete, leveling pre-cast planks** and more.....
- Simple application with minimum experience.
- Can be used as a final finish

Power-Level is single component, cement-based, high strength & polymer modified self leveling and topping floor coating.

Coverage:

17 to 19 square feet per 55 lb. (25 kg) bag at $\frac{1}{4}$ " thickness.

7 to 8 square feet per 22lb. (10kg) pail at $\frac{1}{4}$ " thickness.

Packaging:

One 55 lb / 25 kg bag

or

One 22 lb / 10 kg pail

Shelf Life:

Shelf life is one year in the original sealed packaging properly sheltered in a dry environment.

Storage:

Shelter in a dry environment from extreme heat, direct sunlight and rain.



Surface Preparation

Due to its self-leveling properties, a stop is required at all edges to ensure that the material will not spill over. Concrete surface must be free of all bond-inhibiting materials, including dirt, efflorescence, from form oil and other foreign particles. Paint, loose or damaged material must be removed by water blasting, sandblasting or mechanical wire brushing. Refer to ASTM C-926 for complete details on preparation and required condition of surfaces to receive Portland cement based coatings and recommended

construction practices. **The application of Sider-Resin M-50 is required as a primer prior to the application of Power-Level.** Cut back frozen or substandard concrete until sound substrate is reached for proper bonding. Always test small area for bonding and adequate performance. Some concrete surfaces may require chemical etching, shotblasting or scarification in order to prepare an adequate surface. Avoid application over standing water or efflorescence on the concrete surface.

Mixing Instructions

Approximately 4 to 4.5 quarts (4 to 4.5 liters) of clean potable water is to be added into a clean bucket and then add ½ bag of powder. Mix thoroughly slow speed drill (250 to 300 rpm) and mixing paddle for 10 seconds. Then add the rest of the powder and mix no less than 2 to 4 minutes to yield a good plasticity and achieve a homogeneous mix. Avoid entraining air into the mix. Then allow the mix to rest for 2 minutes before application. When mixing

with a mortar mixer, add appropriate amount of water for 2 bags at a time. Pump mixers can be equipped with automatic watering devices. Do not add any products in the mix and do not re-temper the material, or use partially set or frozen material in the mix. Be consistent from batch to batch once best mix ratio has been determined for job conditions. Only mix enough material that can be applied within 5 to 8 minutes.

Application

The application of Sider-Resin M-50 is required as a primer prior to the application of Power-Level. Pour or pump Power-Level onto the primed concrete surface in an “S” pattern to ensure even thickness until desired thickness is achieved. Apply to a minimum thickness of ¼ inch and to a maximum thickness of 1 inch and spread with a trowel or screed and help spread material in corners. Then, use a spike finishing roller to remove any remaining air bubbles from the surface of Power-Level. The spike roller will also aid to render an even thickness.

No surface troweling is needed for a smooth finish. Do not exceed a thickness of one inch. If the required thickness exceeds one inch, apply in several coats, ensuring to use **Sider-Resin M50** as a bonding agent between each coat. Power-Level does not require moist cure in most installations. However, application in hot, dry and windy condition require light misting of the surface for the first 1 to 3 hours after placement to avoid rapid curing.

Recommended Tools

Drill: DeWalt ½” drill, Type 3, 7.8 A / 450 rpm or similar

Paddle: Large square mortar paddle (not small paint paddle)

Trowel/Spreader: Stainless steel hand trowel/screed

Mixer: Mortar mixing paddle & 5 gallon pail or mortar mixer/pump mixer.

Roller: Spike roller for floor coating

Limitations

Apply **Power-Level** when surface and ambient temperatures are above 45° F (8° C) and below 95° F (35° C) during application and drying period. For application outside of these temperature ranges, please contact Sider-Crete, Inc. technical support for additional information. Do not apply to over-heated, excessively dry or frozen

substrate, in direct sunlight when possible, nor during periods of high winds and rain. Due to the natural ingredients which make-up **Power-Level** or the nature of the substrate, the development of efflorescence may naturally occur and appear on the surface of **Sider-Level**.

Clean Up

Clean tools and equipment after use prior to drying with water. Clean up and remove all debris and materials from the site caused by

the installation according to federal, state and local regulations and dispose of waste in an approved landfill.

Health and Safety

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. Product is alkaline and may burn or irritate upon contact with eyes or skin. Do not ingest. Use of safety

goggles, rubber gloves and dust respirator is recommended. This product contains crystalline silica. Take measures to contain and reduce dust.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes and SEEK IMMEDIATE MEDICAL ATTENTION. For skin contact, wash thoroughly with soap and water. If swallowed, SEEK

IMMEDIATE MEDICAL ATTENTION. For additional information, call Sider-Crete, Inc. at 888- 743-3750 or CHEMTREC at 800-424-9300. Refer to Material Safety Data Sheet (MSDS) for further information.

Attention

Sider-Crete, Inc. products shall be prepared, mixed and applied for its intended use, in strict accordance with Sider-Crete's recommended mixture and application procedures and specifications. Defects in materials caused by improper storage, misuse, mishandling or failure to strictly follow the specific application specifications and procedures of Sider-Crete, Inc. for its various products are not warranted under any circumstances. Sider-Crete, Inc. shall not be responsible for any damage or injury caused in whole or in part by force majeure, structural movement, insufficient, improper or defective waterproofing between Sider-Crete and non-Sider-Crete materials, nor any other damage or injury not solely and directly caused by a defect in Sider-Crete, Inc. products. Users and/or Purchasers agree that Sider-Crete, Inc. cannot accept any liability for omissions, errors, end-result of projects, or any cause or effects resulting from our recommendations. Users and/or Purchasers should contact their architect and/or engineer regarding the appropriate product to be specified and used for their project and acquire the latest products specifications, to ensure that any information used to make decisions about the product(s) is as up-to-date and complete as possible. All sales are subject to Sider-Crete, Inc.'s Terms and Conditions of Sales.