DESERT BRAND

Decking and Sealer Products Since 1923

Desert Crete Level Max 20/30 & Polymer 550

Technical Bulletin

Desert Crete Level Max 20/30 is a cementitious based underlayment or overlayment designed to seamlessly slope, or prepare a walking deck surface for flawless installation of the Desert Flex Deck Resurfacing System. When combined with Polymer 550, Level Max 20/30 specially performs as a water resistant underlayment with high compressive, bond, and flexural strengths.

INSTRUCTIONS FOR USE:

- Polymer 550 is a concentrate and must be diluted with equal parts clear, clean water before use.
- Re-agitate diluted Polymer 550 prior to each use.
- It is recommended to start with 1 ¼ gallon of the diluted Polymer 550 to a 50 lb. Level Max bag.
- Extreme cold or hot conditions can affect product performance and application.
- During cold conditions, it is recommended to start with 1 gallon of Polymer 550.
- Slowly add small amounts of Level Max 20/30 and mix using a low speed drill mixer.
- Add additional diluted Polymer 550 and/or Level Max 20/30 into the mix until a plastic consistency is achieved.
- Depending on weather conditions, as much as ¼ gallon Polymer 550 may be added to improve workability. Adding an excessive amount (more than 1½ gallons) of Polymer 550 may result in product failure.

APPLICATION:

- Apply the prepared mix to the deck surface by trowel.
- Keep the surface of the steel trowel damp with water while troweling material, especially during warm weather.
- Allow to dry thoroughly before proceeding (4 to 8 hours, depending upon thickness and weather conditions).

Note: Typically, Level Max 20/30 is applied to a maximum depth of 1/8 inch. For applications greater than 1/8 inch, the addition of 12 lbs. #16 mesh sand will be required per 50 lb. bag of Level Max 20/30. For applications greater than ½ inch, the addition of 12 lbs. #16 mesh sand and 12 lbs. pea gravel will be required per 50 lb. bag of Level Max 20/30.

CLEANING OF EQUIPMENT:

- Thoroughly clean all equipment and hands with water immediately after use.
- Dried material on any tool surface or other surrounding surfaces will not be easily removed.
- Disposal of any unused material must comply with local, state, and federal regulations.

TECHNICAL DATA

Level Max 20/30	
Compressive Strength (ASTM C109-93):	**>2500 PSI**
Adhesion Test (ASTM C1583-C1583M-3):	**>100 PSI**
Water Absorption (ASTM D570):	**Pass**
Water Percolation (48¼" Water Column):	**Pass**
Set Time:	
Initial:	**<2 hours**
Final:	**>8 hours**
Polymer 550	
VOC (mg/L):	**Zero**
Typical Solids (wt. %):	**50% ±1**
Typical Density (lbs./gal):	**8.61**
Shelf Life:	**1 year**
Packaging:	**5 gallon pails**
Application:	**Mix 1 part water to 1 part Polymer 550. Retemper before each use.**

For additional information, please refer to Safety Data Sheet (SDS).

TROUBLESHOOTING:

- If mixture is too stiff or dry, gradually add more Polymer 550 until recommended consistency.
- If mixture is too wet or if a white liquid rises to the top, add additional Level Max until optimal consistency.
- An excess of Polymer 550 may result in cracking.
- Over-diluting the Polymer 550 may result in adhesion and bond strength failure.
- Retemper if false set develops.

PRECAUTIONS:

- Apply materials when the temperature is between 50°F and 85°F. When the temperature is greater than 85°F, materials will dry faster.
- Do not allow product to freeze.

The information in this technical bulletin is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose. Sales specifications, although current at time of publication, are subject to change due to process improvements. For latest product specifications, contact our nearest sales office.

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