59015 Amber Street
Unit D-3
Slidell, LA 70461
Phone: (985) 218-9148
Fax: (985) 218-9148
Email: info@sealdek.com
www.sealdek.com

TECHNICAL BULLETIN

SEALDEK 500

Aromatic, Wear Resistant Urethane Polyurea Topcoat

DESCRIPTION

SEALDEK® 500 is an aromatic, one component, liquid applied, moisture cured, urethane polyurea coating.

FEATURES

❖Good Weatherability

TYPICAL USES

❖Concrete Decks
❖Plywood Decks
❖Pedestrian Traffic
❖Vehicular Traffic
❖ Resealing Existing Urethane Surfaces
❖ Metal, Wood, or Masonry Surfaces

COLORS

Light Grey, Tan

Custom colors are also available. Minimum order of 300 gallons (1136 liters).

PACKAGING

1 gallon (3.78 liter) can with vial of catalyst
5 gallon (19 liter) pail with ½ pint (0.24 liter) can of catalyst
55 gallon drums, net fill 50 gallons (189 liters) with 1 quart (0.95 liter) can of catalyst

MIXING

Before application, mix SEALDEK® 500 using a mechanical mixer (Jiffy Mixer) at slow speeds or by hand for at least 5 minutes. Add SEALDEK® 500 Catalyst and continue mixing until a homogeneous mixture and color is obtained. Boxing of the material is recommended. Use caution not to whip too much air into the material as this may result in pinhole blisters or shortened potlife.

APPLICATION

For best results use a squeegee. Airless sprayer or phenolic resin core roller may be used but extra care should be taken not to cause air bubbles.

Apply SEALDEK® 500 evenly over the entire deck. Application should be continuous to ensure a smooth and level coat with no lines or streaks to disfigure the deck finish.

SEALDEK® 500 may require more than one coat depending on the job specifications and requirements. To obtain proper adhesion between coats it is imperative that recoating be done within 48 hours.

When SEALDEK® 500 is used as a seal coat only, the surface must be clean, dry and primed with recommended SWS Primer to achieve proper adhesion to the surface.

CURING

At 70°F (21°C) and 50% relative humidity allow each coat to cure a minimum of 16 hours between each coat. If more than 48 hours passes between coats, re-prime the surface with recommended SWS Primer before proceeding.

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or auto traffic on the finished surface.

Uncured SEALDEK® 500 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time. To accelerate cure, Topshield® Accelerator may be used.

EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE

SEALDEK® 500 has a shelf life of twelve (12) months from date of manufacture when stored indoors at a temperature between 60°F to 95°F (15°C to 35°C) in original factory sealed containers.

LIMITATIONS

Surfaces must be dry, clean and free of foreign matter.

Surface may be slippery when wet.

Will fade, chalk and discolor over time.

Containers that have been opened must be used as soon as possible.

TECHNICAL DATA

Coverage Rate	See Guide Specifications
Dry Film Thickness, exclusive of aggregate, Per coat @ 1 gal/100 sq. ft.	11 ± 2 mils 280 ± 50 microns
Hardness, ASTM D-2240	90 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624	400 ± 50 pli 70 ± 8.8 kN/m
Tensile Strength, ASTM D-412	2800 ± 200 psi 19.3 ± 1.4 MPa
Ultimate Elongation, ASTM D-412	375 ± 50%
Specific Gravity	1.17
Total Solids by Weight, ASTM D-2369	80.1%
Total Solids by Volume, ASTM D-2697	71.8%
Viscosity at 75°F (24°C)	1000 ± 500 cps
Volatile Organic Compounds, ASTM D-2369-81	2.08 lb/gal 248 gm/liter

Do not dilute with solvent under any circumstance.

WARNING
This product contains Isocyanates and Solvent.

Please read all information in the general guidelines, product data sheets, system specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local SWS representative or visit our website for current technical data and instructions.

DISCLAIMER
All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and SWS makes no claim that these tests or any other tests, accurately represent all environments.