FLOATERRA

Technical Data Sheet (TDS)

PHYSICAL PROPERTIES

VOC	0
SOLIDS CONTENT	100%
MIX RATIO	1A:1B:1C:1D
COVERAGE RATE	55-75 ft2/kit 40-45 mils
APPLICATION TEMP	55°-90°F
SLIP RESISTANCE TRRL Pendulum Tester DRY WET	 PVT 39.1 21.2
POTLIFE 1 Kit @ 75°F	15-30 Minutes
DRY TIME @ 75°F	7-8 Hours
RECOAT WINDOW	N/A
OPEN TO TRAFFIC	24 Hours
FULL CURE	7 Days
PACKAGING	15 KG

MECHANICAL PROPERTIES

ADHESION BS ISO 4624:2003	2.1N/mm2 @73°F

CHEMICAL RESISTANCE

Refer to Optus Technical Bulletin 9: Chemical Resistance Guideline.

SHELF LIFE

1 Year from Date of Manufacture on Packaging, provided unopened.

STORAGE

Store in a dry environment at room temperature and out of direct sunlight.

PRODUCT DESCRIPTION

Floaterra is a multi-purpose sinker-floater, self-leveling floor coating for both decorative and light industrial uses. Self-leveling coatings are an excellent option for worn or deteriorating surfaces, providing a seamless, wall-to-wall flooring solution.

Floaterra is a highly durable, sustainable, and aesthetically beautiful look for any surface. Unlike other self-leveling epoxies, Floaterra is engineered with materials of two different densities. The majority of the higher density resin mix sinks below the surface, while the lower density color additive works its way to the surface during the curing process. Once cured, the hardened coating dries to a satin and becomes an easily cleaned surface that is abrasion and chemical resistant.

TYPICAL USES

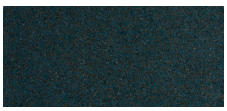
- Hospital and Healthcare Facility Floors
- Laboratories and Research Floors
- Retail Shops
- Athletic Facilities
- Basements
- Kennels
- Salons
- Animal Care and Housing
- Bathrooms
- Garage Floors
- Grow Facilities

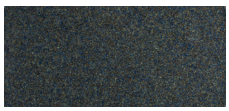
BENEFITS

- Excellent bonding
- Pigment free, minimum risk of bleaching or fading
- Chemical resistant
- 8 standard blends with option for custom blend
- Good abrasion resistance
- Solvent-free and environmentally friendly
- Cures in the presence of moisture and humidity with excellent mechanical properties
- Odour free
- Seamless & Flowing liquid for self-level
- Available with Biocote® antimicrobial technology. Inquire with an Optus Representative for details

COLORS (Custom color options available)


Ash


Naples


Seaglass


Glacier


Coconut


Coastal


Stone Harbor


Driftwood

LIMITATIONS

- Higher temperatures will result in shortened working times and faster drying times.
- Interior use only.
- May amber with exposure to UV
- Will not bridge cracking

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APPLICATION EQUIPMENT

- Personal Protective Equipment
- Jiffy Mixing Paddle
- Corded Drill
- 18" Spiked Roller
- 40-60 Mil Notched Squeegee
- Spike Shoes
- Gauge Rake

SURFACE DIAGNOSTICS

Concrete must be structurally sound and free of all contaminants and bond breakers. Test concrete compressive strength using a Schmidt or Rebound Hammer to ensure substrate has compressive strength of 3500 psi or higher.

Perform a pH test using concrete pH test strips or meter to ensure substrate pH is between 9-12.

Perform Moisture Test using either Calcium Chloride per ASTM F1869 or In-Situ Relative Humidity Probe per ASTM F2170 to ensure substrate has Moisture Vapor Emission Rate of 15 psi or less and Relative Humidity of 80% or less. ***See Optus Technical Bulletin 6: Moisture Mitigation Negative Side Moisture Barrier.***

If Moisture Vapor Emission Rate is above 15 psi but below 25 psi and relative humidity is above 80% but below 99% then apply Moisture Barrier Primer first at 16 mils with a coverage rate of 225 Ft²/Per kit.

SURFACE PREPARATION

Use Mohs scratch test to determine concrete hardness for proper diamond bond selection. Primer Coat(s) are required before installation of Floaterra.

Concrete should be mechanically profiled and prepared to produce a Concrete Surface Profile (CSP) level between #2 & #4 per ICRI Guideline no. 310.2R. ***See Optus Technical Bulletin 1: Concrete Surface Preparation.*** All perimeter areas of coating termination shall be masked for protection. Saw cut and key-in all termination points.

SURFACE REPAIR

All depressions, divots and cracks should be profiled and free of dust and contaminants. Repair surface imperfections to reduce the ability to see the defect through the coating. OPTI-JOINT & OPTI-PATCH are recommended products for these repairs.

Honor all dynamic (moving) joints, static joints may be filled, use dynamic joints as initiation and termination points during application process where needed.

TEMPERATURE EVALUATION

Ambient and substrate temps should be above 5°F and a minimum of 5°F above Dew Point.

Product temps should be between 60-80°F. Relative Humidity should not exceed 80%. ***See Optus Technical Bulletin 7: Temperature & Relative Humidity.***

REFER TO SAFETY DATA SHEETS (SDS) FOR SAFETY PRECAUTIONS.

SAFETY PRECAUTIONS MUST BE FOLLOWED DURING STORAGE, HANDLING AND USE.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

SHALL BE WORN AT ALL TIMES INCLUDING BUT NOT LIMITED TO LONG SLEEVE SHIRTS OR DISPOSABLE ARM SLEEVES, SAFETY GLASSES, DISPOSABLE NITRILE GLOVES, AND PROPERLY FITTED NIOSH RESPIRATORS

ALL SOURCES OF IGNITION SHOULD BE TURNED OFF AND ENVIRONMENT SHOULD HAVE PROPER AND ADEQUATE VENTILATION DURING APPLICATION AND CURING PROCESS.

MIXING AREA SHOULD BE PLACED ON OR IN CLOSE PROXIMITY TO PROJECT. AREA SHOULD BE SECURELY COVERED WITH PLASTIC, CARDBOARD, OR TARP. STAGE MATERIALS, TOOLS, AND CLEANING SUPPLIES IN MIXING AREA PRIOR TO APPLICATION PROCESS.

DO NOT MIX MORE MATERIAL THAN CAN BE APPLIED IN 10 MINUTES

MIXING PROCEDURE

1. Pour Pack A into a clean 5 gallon bucket.
2. While mixing, slowly add Pack C and blend for 60 seconds, or until fully incorporated.
3. Continue mixing Pack A and C while slowly adding Pack B. Blend for 60 seconds, or until fully incorporated.
4. Scrape the sides and bottom of the bucket to ensure no unmixed material remains.
5. Finally, slowly add Pack D to Pack A, B, and C, while mixing. Blend for 60 seconds, or until the mixture is completely uniform.

COVERAGE RATE

55-75 Ft² /Kit @ 40-45 Mils

COVERAGE RATE MAY VARY DEPENDING ON SUBSTRATE POROSITY.

WORKING TIME

30 Minutes @75°F

WARMER AMBIENT, PRODUCT AND SURFACE TEMPERATURES, AS WELL AS HIGHER HUMIDITY LEVELS, WILL SHORTEN POTLIFE AND WORKING TIME.

APPLICATION PROCEDURE

1. Apply minimum of one coat of primer with additional coats as necessary until all pin holes are removed, prior to the installation of Floaterra.

MIXED MATERIAL SHOULD NOT REMAIN IN BUCKET

2. Pour a band of mixed material across the surface roughly 6-8" wide. Use 40-45 mil notched squeegee or gauge rake to gauge material across surface.
   - Maintain wet edge
   - Always pour next mixed batch onto wet edge
   - Do not apply heavier than recommended coverage rates
3. Back roll the surface with 9" or 18"spike roller from wall to wall with overlap on your first pass.
   - Do not overwork material

✓ Allow coating to dry 24 Hrs @ 75°F.
Do not force dry.
Recoat: N/A

SLIP RESISTANCE

Slip-Resistance – Field (in situ) Wet Dynamic Coefficient of Friction (DCOF), ANSI A326.3. ***See Optus Technical Bulletin 4: Coefficient of Friction.***

CLEAN-UP

Clean-up mixing station, tools, and equipment as required. Use acetone, a VOC exempt solvent, for cleaning up. Observe all legal, and health, and safety precautions when handling or storing solvents and materials, particularly in confined spaces. Make sure the working areas are well ventilated at all times during placement and curing time.

DISPOSAL

Dispose of empty packaging and other waste in accordance with federal, state, provinces and local regulations.

MAINTENANCE

Inspect the installed floor by spot cleaning. To prolong life of the flooring system, a daily maintenance program is highly recommended to ensure the floor is safe for its intended purposes. ***See Optus Technical Bulletin 8: Care and Maintenance.***

TECHNICAL SUPPORT

For questions, contact an Optus Resin Representative. Additional Support Documents are available from Optus Resin, including brochures, application guidelines, videos and more. Visit www.optusresin.com or contact Optus Resin for additional resources.

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 user's 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 product limitations 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 products. 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 an authorized corporate officer of 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 Manufacturer makes no claim that these tests or any other tests accurately represent all environments. Manufacturer is not responsible for typographical errors.

Reference Optus Resin website www.optusresin.com for additional Optus Technical bulletins and SDS sheets.