



IMPERIAL I-TECH

WATER-BASED URETHANE COUNTERTOP SEALER TECHNICAL DATA & APPLICATION INSTRUCTION

PRODUCT DESCRIPTION

Imperial I-Tech Countertop Sealer is a premium, low VOC, UV Stable, water-based urethane developed to protect concrete, stone, epoxy and other manufactured countertop surfaces. **Imperial I-Tech** enhances the appearance and depth of concrete and stone and its unique formula bonds directly to concrete and stone without the use of a primer. **Imperial I-Tech** offers protection from and resistance to accidental spills of food products, household cleaners and many industrial chemicals. **Imperial I-Tech** is a user friendly, high-performance concrete countertop sealing system which provides superior abrasion resistance, chemical resistance and anti-microbial protection. **Imperial I-Tech** offers a beautiful high shine or a flat natural look while enhancing color.

BENEFITS/FEATURES

- UV Stable
- Easy to clean and maintain
- Interior or Exterior
- Low Odor
- Excellent chemical resistance
- Stops and prevents the growth of micro-organisms
- Excellent resistance to stain
- Excellent adhesion and abrasion resistance

RECOMMENDED APPLICATIONS

Imperial I-Tech Countertop Sealer is designed for interior or exterior use on concrete, stone, epoxy and other manufactured countertop surfaces. Use Residentially and Commercially for kitchens, bathrooms, outdoor living spaces, restrooms, bartops, fireplace surrounds, benches and other outdoor patio surfaces.

TECHNICAL INFORMATION

Mix Ratio.....(a/b/c-volume)	Dry Time-To The Touch (@ 70°F).....4 - 6 hours
Solids Content.....65-67%	Dry Time-Light Use (@ 70°F).....4 - 8 hours
VOC Content.....<50 g/l	Full Chemical Resistance/Cure(@ 70°F).....72 hours
Pot Life.....30 - 45 min	Application Temperature (<70% R.H.).....40°F - 90°F

APPROXIMATE COVERAGE RATES

Each Kit Yields Approx 50 - 100 sq ft (coverage rates vary)

Application technique, surface texture and absorption of the surface will determine final coverage rates. Porous concrete surfaces may require additional product.

STORAGE, SHELF LIFE & PACKAGING

Acclimate **Imperial I-Tech** to room temperature prior to application. Long term storage should be between 60°F and 75°F, in an area with consistent temperatures. **Imperial I-Tech** has a shelf life of up to 6 months, stored @ 60-75°F, it's original, sealed, unopened container. **Imperial I-Tech** is packaged in 50 SQ FT Kits.

CLEAN-UP & PRODUCT REMOVAL

Clean with soap and warm water while product is still fresh. Excess product or any amount unused within 45 minutes may be allowed to harden overnight. The container may then be disposed of in the recycle bin. Removal of product once cured is by grinding or chemical stripper.

SURFACE PREPARATION: The surface must be cured for a minimum of 7 days prior to application of **Imperial I-Tech**. The surface needs to be clean, free of contaminants including but not limited to dust, dirt, grime, oils, release agents or any surface laitance. Be sure to address any gouging, scratching and spalling prior to applying **Imperial I-Tech Countertop Sealer**. If surface is to be ground, end with a grit profile of 100-200 grit resin bond diamonds. Make sure ALL surfaces are prepared and ALL application tools are ready prior to mixing.

NEEDED MATERIALS:

- Latex/Rubber Gloves
- Paper Towels
- Paint Brush
- 1/4" nap shed-free Roller
- 16 oz mixing container (min)
- 6" - 12" Trim Pad or Nano-Flock Foam Block Applicator

PRODUCT MIXING: Ensure that all components are at room temperature (60-70 degrees F) prior to mixing. **READ ALL INSTRUCTIONS PROIR TO MIXING. When mixing, follow the mixing instructions exactly and in the order listed.**

1. NOTE: Mix only the amount of product that can be used within 30 - 40 minutes.
2. Open Part A. Stir thoroughly and empty entire contents into the appropriate mixing container.
3. Open Part B. Add entire contents into Part A. Stir thoroughly and aggressively until swirls disappear (product will appear thick and white).
4. Once completely mixed, allow the A B mixture to sit for 2-3 minutes of "dwell time". You should notice that the A B mixture will get thinner in viscosity as it sits.
5. While the A B mixture is sitting, vigorously shake and/or stir contents of Part C until any and all sediment is completely incorporated. (The appearance will be a milky white.) Continue shaking and/or stirring until the 1-3 minutes of "dwell time" for A B mixture is up. Immediately add entire contents of Part C to the A B mixture. Stir until smooth and consistent.
6. Transfer entire contents to another container, scraping the sides and the bottom of the container making sure ALL of the product is mixed (approx 2-3 minutes). Once completely mixed, Imperial I-Tech Countertop Sealer is ready to be used. Be sure to mix/stir contents every time the product is poured from container. (This is done to remove any sediment and ensure that all solids remain in suspension).

PRODUCT APPLICATION: (Remember to continually mix product before and while applying to the surface to ensure all solids remain suspended.) Thinly apply **Imperial I-Tech Countertop Sealer** to surface using 6" or 8" trim pad or foam block applicator. **(DO NOT USE A ROLLER PAN)**. Stir **Imperial I-Tech Countertop Sealer** and begin by pouring a line about two inches wide onto a clean surface. Place the trim pad on the surface at an angle and spread the sealer so it runs off the side of the trim pad in a snowplow like motion. Be sure to always keep product in front of the trim pad. Be sure to apply product to all edges and sides of surface and remove any excess with the mohair roller or paint brush. If you have poured too much on the surface, soak the excess up with paper towels and discard. After 3 or 4 passes with the trim pad begin the back rolling process without delay. Be sure to remove any excess sealer from deep pits or cracks with a quality paint brush prior to back rolling. Allowing excess material to remain in these areas, may result in foaming or small bubbles. Using a 1/4" nap mohair roller, roll vigorously over the previously spread product to remove any lines or swirl marks left by the trim pad. Once the lines or swirl marks have been rolled and are no longer visible, continue to spread more finish with the trim pad. **MAKE SURE TO BACK ROLL THE FINISH WITHIN 1-2 MINUTES OF BEING SPREAD BECAUSE THE FINISH DRIES QUICKLY.** Because of this, also be careful not to over work the sealer or re-roll previously rolled surfaces. Finally, do not run the roller into puddles of finish where it has not yet been spread out with trim pad. Repeat steps until all surfaces are coated. **Imperial I-Tech** will be dry to the touch in 3-4 hours (60-70 degrees) and can withstand normal wear after 24 hours. **If resealing is required, the I-Tech will need to be scuffed with a Maroon 3M pad.**

Excess product or any amount unused within the 30 minute time span (pot life) may be allowed to harden overnight. The container may then be disposed of in the recycle bin.

PRECAUTIONS AND LIMITATIONS

- All new concrete @ 2" must be cured for a minimum of 7 days prior to application.
- **Imperial I-Tech Countertop Sealer** may darken the surface of many new and existing concrete substrates.
- Physical properties listed on this technical data sheet are typical values not specifications.
- Test prior to use.

DISTRIBUTED BY:

SPECIAL NOTES

Please consult Material Safety Data Sheet (MSDS) and read warranty information prior to use

