

# IMC-40 (Industrial Maintenance Coating)

INNOTECH IMC-40 is a two-part, water-based epoxy coating designed for interior concrete surfaces. INNOTECH IMC-40 is a low odor, easy to apply concrete coating that provides excellent durability and chemical resistance as well as, exceptional color enhancement in decorative applications compared to water-based acrylic sealers.

## Product Features and Benefits

### INNOTECH IMC-40 ...

- Is an excellent coating for all interior architectural concrete surfaces.
  - This product is ideal for high-traffic areas like interior lobbies, food service areas and porte cochères.
  - Will inhibit the passage of water or any other liquid, retard efflorescence, and will resist peeling, flaking, blistering or discoloring of properly prepared substrates.
  - Makes an excellent primer for urethane coatings like INNOTECH SURPRO WB†.
  - Can be used as a broom and seed primer to enhance surface prep, preparatory to the application of cement based overlays and other cement based floor treatments.
- \*Contact Innotech directly for application instructions.

## Prior to Application

**Due to the nature of this water-based coating, a high level of diligence and strict adherence to the guidelines is required in regard to mixing, application and environmental awareness. Mixing ratios, surface moisture, and temperature at time of application play a large role in the integrity and long-term durability of this coating. INNOTECH strongly recommends sampling and testing this material prior to any large-scale applications.**

- **Surface Preparation:** When using INNOTECH IMC-40, the surface must be structurally sound and clean—free of dirt, grime and other foreign substances like oils, silicones, all other waterproofing materials, form release agents, curing and sealing compounds, and any sign of efflorescence. Surface must also be completely dry prior to application. If surface is not clean or completely dry, the coating may turn white or hazy, or the coating may fail to form a proper film. If surface to be coated needs to be prepared, follow the steps listed in the section “Product Application: Old or Existing Concrete.”
- If aggressive moisture movement on interior concrete is suspected, exact moisture movement levels can be measured using a moisture test kit in accordance with ASTM D 4263 standards, following the manufacturer’s instructions. Moisture measurements of 3-lbs. and below are acceptable. If measurements fall outside of this range, INNOTECH IMC-40 should not be applied until an application of INNOTECH MVT REDUCTION† is completed and moisture is checked again. If moisture readings still exceed 3-lbs./1,000 s.f., do not apply INNOTECH IMC-40. Contact an INNOTECH representative for assistance.
- Hard troweled or burnished concrete must be chemically or mechanically prepared to promote proper adhesion. Extremely dense or burnished surfaces should be slightly abraded to better accept this product. Lightly etch with INNOTECH CON-CLEAN† or a light mechanical grind to achieve this level of surface profile.
- INNOTECH utilizes the International Concrete Repair Institute (ICRI) Concrete Surface Profile (CSP) standards for specifying finished surface roughness prior to applying INNOTECH IMC-40. For proper adhesion, the concrete must be a minimum #2 according to the ICRI CSP chart. Contact ICRI at [www.ICRI.org](http://www.ICRI.org) or INNOTECH for more information on these surface profiles.
- INNOTECH IMC-40 should only be applied to substrates above 50 °F and below 85 °F.

## Mixing Instructions

**The following mixing instructions for INNOTECH WB-40 must be strictly adhered to:**

- Mix 2 parts A to 1 part B by volume in an open container. Mix well with mechanical mixer until thoroughly blended.
- As a primer, dilute the first coat up to 50% by volume with water. When thinned, do not apply more than 5 mils as a single coat.
- For best results when using INNOTECH IMC-40 Industrial Maintenance Coating, apply a primer coat. Once primer coat is tack free, apply a top coat at full strength. Additional coats can be applied once prior coat is tack free but no longer than 24 hours after previous coat. If a coat is required beyond the 24 hour window, a light sanding is necessary prior to application.
- DO NOT mix more INNOTECH IMC-40 than can be used in 30 minutes.

## Product Application: New Concrete

**WARNING! Do not apply INNOTECH IMC-40 to fresh concrete. INNOTECH IMC-40 should be applied only after concrete has fully cured, approximately 28 days.**

- **Surface Preparation:** INNOTECH IMC-40 is not recommended for application over surfaces previously painted or sealed with other sealers. When using this coating, the surface must be structurally sound and clean—free of dirt, grime and other foreign substances like oils, silicones, all other waterproofing materials, form release agents, curing and parting compounds, and any sign of efflorescence. Surface must also be completely dry before application. If surface is not clean or completely dry, the coating may turn white or hazy, or the coating may fail to form a proper film.
- Prior to product application, test INNOTECH IMC-40 in an inconspicuous area for desired results. For additional application questions, contact INNOTECH at 877-829-7880.
- INNOTECH IMC-40 is best applied with a high-quality, ¼-inch short nap roller.
- If applying to extremely porous surface (like bead-blasted concrete), test a small amount of the coating in an inconspicuous area to determine number of coats required for adequate coverage.
- For adequate protection on porous surfaces, at least two coats should be applied as described above. Use a high-quality, heavy nap roller, ½-inch or ¾-inch, followed by a spiked roller.
- To ensure proper adhesion, the second coat, or any subsequent coats, must be applied within 24 hours of the previous coat.
- Once INNOTECH IMC-40 has cured for 48 hours, a 3-coat application of INNOTECH INTERIOR FLOOR FINISH† or INNOTECH NATURAL BEAUTY† is recommended for additional protection.

## Product Application: Old or Existing Concrete

**INNOTECH IMC-40 is not recommended for application over surfaces previously painted or sealed with other sealers.**

- **Surface Preparation:** As noted, when using INNOTECH IMC-40, the surface must be structurally sound and clean—free of dirt, debris and other foreign substances like oils, silicones, all other waterproofing materials, form release agents, curing and parting compounds, and any sign of efflorescence. The surface must be thoroughly cleaned, rinsed and allowed to completely dry before application. If surface is not clean or completely dry, the coating may turn white or hazy, or the sealer may fail to form a proper film.
- If stripping off old sealer is necessary, use INNOTECH INTERIOR FLOOR STRIP†, or INNOTECH SEAL STRIP†. For additional seal strip questions, contact INNOTECH at 877-829-7880.
- To clean surface, use INNOTECH CONCRETE DEGREASER & NEUTRALIZER† (dilute 4-oz. of product to 1-gallon of water, or 2.5-cups of product to 5-gallons of water). On smooth surfaces, scrub in with automatic scrubber or use a low-speed buffer equipped with scrubbing pads or brushes. After scrubbing surface, rinse thoroughly with clean water and then vacuum up INNOTECH CONCRETE DEGREASER & NEUTRALIZER. On rough surfaces or textured concrete, use the same equipment as with smooth surfaces but rinse with pressure washer. The surface must have sufficient profile to properly adhere. Hard troweled or burnished concrete must be lightly etched using INNOTECH CON-CLEAN† or lightly abraded mechanically prior to application.
- If applying coating to existing concrete, test coating prior to application in an inconspicuous area to ensure compatibility. For any questions regarding surfaces of existing concrete, contact INNOTECH.
- After cleaning and testing surface, follow application listed in the section “Product Application: New Concrete.”

## Product Limitations

- DO NOT apply INNOTECH IMC-40 if the surface or ambient temperature is below 50 °F, above 85 °F, or if the temperature is expected to fall below freezing (32 °F) within the 24-hour curing cycle.
- Failure to remove dirt and debris from the surface or failure to properly clean the surface before application will result in poor adhesion.
- DO NOT mix more INNOTECH IMC-40 than can be used in a 30-minute period.
- DO NOT over apply INNOTECH IMC-40 Industrial Maintenance Coating; for example: 100-200 s.f./ gallon. This may cause bubbling or foaming in the finish coat, creating a white, hazy appearance.
- DO NOT add any color tinting agents to INNOTECH IMC-40 without first contacting Innotech Decorative Concrete Products to determine compatibility.

## Dry Time

*Drying times will vary depending on surface porosity, temperature, humidity and local conditions.*

- Re-coat: Surface can be re-coated once the surface is tack free but before 24 hours has passed.
- Pedestrian Traffic: Light pedestrian traffic can be allowed after 6 hours and vehicle traffic 72 hours after the final coat.

## Available Packaging and Coverage Information

Packaging: INNOTECH IMC-40 is available in 1.5-gallon kits.

*Coverage rates may vary depending on the texture, porosity and condition of the concrete, application method, and other local conditions.*

- 300-600 square feet per gallon when thinned for priming.
- 200-500 square feet per gallon when used full strength over primed surface.

## Technical Information

*Please refer to the corresponding SDS for hazard-related information.*

- Mix Ratio ..... 2:1 by volume
- Water Resistance ..... Excellent
- Chemical Resistance.... Very good
- Water-Based Epoxy Coating.....(Industrial Maintenance Coating) VOC<250 g/L

## Product Shelf Life/Storage

INNOTECH IMC-40 should be stored indoors, away from heat or sunlight at a minimum temperature of 40 °F. Do not allow product to freeze.

Shelf life: One year (12 months) from date of manufacture in unopened, original container.

## Product Handling

Prior to using INNOTECH IMC-40, please reference the corresponding Safety Data Sheet to ensure safe handling.

## Product Warranty

INNOTECH IMC-40 is a proprietary product, warranted to be of uniform quality within our stringent manufacturing tolerances. As no control is exercised over the product use, no warranty is made as to the effects of such use (neither expressed nor implied). Obligation of the seller and manufacturer under this warranty shall be limited to a refund of the purchase price of that portion of the material proven to be defective. The user assumes all other risk and liability resulting from uses of this product. Contact INNOTECH with any questions regarding this policy.

*†PLEASE REFER TO CORRESPONDING TECHNICAL BULLETIN FOR PRODUCT AND APPLICATION DATA.*

INNOTECH IMC-40 and other INNOTECH products are for professional use only.

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INNOTECH products can be purchased at:



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