

# Kwikrez Colourz

magnetically receptive coating



## 1. PRODUCT NAME

**intelli-force magnetix™ Kwikrez Colourz**

## 2. PRODUCT DESCRIPTION

Kwikrez Colourz is a unique, one coat, polyaspartic coating that is made of certain magnetically receptive constituent materials. As a magnetically receptive coating, Kwikrez Colourz can be applied to horizontal surfaces. A wide variety of magnetic flooring is available using this coating for adhesion to the substrate in lieu of adhesive systems. This coating can also be used as a stand-alone finished floor coating.

### Features and benefits

- Simple, easy application. Squeegee and back roll
- Quick cure properties. 90 minutes to touch, cured in two hours
- Easy recoat
- Saves labor hours and time in construction and remodeling schedules
- Lowers costs for building owners, managers and end users over standard systems
- Apply to most substrates including concrete, cementitious underlayments, tile backer boards, wood and metal surfaces
- Available in colors for a high - tech aesthetic look when used as a finished flooring surface
- Low VOC, low odor
- Provides excellent magnetically receptive surface for application of any magnetic flooring
- Provides flexibility for exchanging finishes on floors without the dust, repairs and noise related to standard replacements
- Can be used to isolate existing asbestos flooring products offering huge cost savings and virtually eliminating the disruption of standard abatement methods
- Can be coated with floor finishes for non-slip characteristics

### PHYSICAL PROPERTIES

### 2K POLYASPARTIC

<b>VISCOSITY:</b>	500-650 CPS
<b>DENSITY:</b>	<b>12.01</b>
<b>SOLIDS (WT. %):</b>	99.6 mixed
<b>SOLIDS (VOL. %):</b>	99.6 mixed
<b>REDUCER:</b>	Butyl Acetate if required
<b>WET MILS:</b>	10 / 15 mils
<b>DRY MILS:</b>	10 / 15 mils
<b>FLASH POINT:</b>	At or above 200F
<b>SHELF LIFE:</b>	12 months

### Packaging

Resin Part "A" 54 Fluid Ounces

Hardener Part "B" 1 quart

One eight (8) lb. ferrosilicon powder additive per kit

### Spread Rates

Floor surfaces: concrete, cementitious underlayments, steel, one coat 100 -110 square feet per gallon

Wood, very porous or rough surfaces may require a reduced spread rate for best magnetic performance

## 3. APPROPRIATE APPLICATIONS

Kwikrez Colourz is only to be used on building interiors including floors or other various horizontal surfaces. Beautiful, aesthetic, magnetic architectural finishes and building elements can be installed and easily exchanged by use of the magnetic adhesion provided by this high-tech floor coating system. Can be used as a finished floor coating with application of a non-slip top coating or wax. Residential, commercial, and light manufacturing buildings provide many cost saving, long term opportunities for magnetically applied building elements by use of the Kwikrez Colourz system. This system can be applied in occupied buildings with virtually no disruption.

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## Suitable Substrates

- Concrete
- Cementitious underlayments, mortars and floor patching compounds
- Wood
- Steel or Metals
- Plastic and fiberglass
- Existing flooring (call for IFM Tech Services @ 877-277-9100 for any such installations)

## Examining Substrates

It is important to examine all substrate surfaces for suitability of application. Existing adhesive systems should be mechanically removed, scraped clean, or skim coated with an appropriate floor skim coating / patching compound. All loose materials, spalling of concrete, peeling coatings, waxes, oil or grease residue and any other deleterious sealers or contaminants should be removed from any surface to be coated. Concrete floor substrates must be in compliance with ACI 201.2R-01 "Guide to Durable Concrete" Slabs should be structurally sound in compliance with current industry standards for mix designs and placement. Particular attention should be paid to red flags such as spalling or aggregate "pop-outs" which could be an indicator of ASR, Alkaline Silica Reaction. Contact IFM Tech Services if any red flags are present prior to any installation. Existing, failing floorcoverings are definite examples of red flags. When apparent defects or contamination is present, forensic testing of sample cores taken from the affected areas is strongly recommended. Verify that all substrate patching compounds for floors are fully cured prior to application. \*See the Kwikrez Colourz Limited Warranty for specific related limitations.

## Substrate Moisture Content Testing

All concrete floor slabs should be tested for relative humidity and alkalinity levels. Moisture testing should follow ASTM F2170 In Situ RH probe method for measuring relative humidity in concrete floor slabs.

RH levels should not exceed 98% RH. If levels do exceed 98% RH consult IFM Tech Services @ 877-277-9100. Test for alkalinity levels using ASTM F710 test method utilizing a digital test meter. Levels of pH should not exceed 12. If pH levels exceed 12, contact IFM Tech services @ 877-277-9100. \*See the Kwikrez Colourz Limited Warranty for specific related limitations.

## Ambient Conditions

Particular care should be taken to ensure the building envelope / ambient conditions are appropriate for the application of Kwikrez Colourz. Ambient air temperatures should be between 55°F and 90°F or 12°C to 32°C. Dew point should exceed more than seven degrees from the air temperature measured in the application area. Ambient air humidity levels should be less than 85% RH. Levels will affect drying, recoat and final curing times. High humidity will accelerate cure times and affect product workability. Verify the product has fully cured between any recoats or application of any magnetic finishes.

## Material Handling and Storage

All Kwikrez Colourz materials should be inspected prior to installation. First, that all packaging is intact without breach or leakage. If transport temperatures to the site are extreme, allow Kwikrez Colourz to acclimate to the ambient building envelope conditions for 24 hours prior to application. Do not store or stage materials in exceptionally hot or cold temperatures. **Always protect this product from freezing.**

## 4. INSTALLATION CONSIDERATIONS

### Tools and Equipment

You can reference the Kwikrez Colourz installation instructions for the full list of specific tools and equipment. It is important to have a variable speed mixing drill and a "Jiffy Mixer" attachment for properly blending the coating and the ferrosilicon powder additive. The Kwikrez Colourz Installation Manual can be found under downloads on the Intelli-Force Magnetix™ website. Visit [www.intelliforcemagnetix.com](http://www.intelliforcemagnetix.com)

# Kwikrez Colourz

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## Inspection and Recording Batch Code Information

All containers should be inspected for damage and products examined thoroughly prior to installation. Contact IFM Tech Services at 877-277-9100 with any questions relating to product integrity. Record all product batch codes found on the packaging and maintain for warranty compliance.

## Surface Preparation

**Concrete Floors:** Slabs must comply with ACI 201.2R-01 "Guide to Durable Concrete" Surface profile should be between ICRI CSP 1 to CSP 3. Floors with excessive profile should be ground smooth using a mechanical diamond grinding method (always follow the current OSHA guidelines for equipment & PPE requirements). Normal preparation can be achieved by lightly sanding the substrate with a medium pad or screen to clean and lightly abrade or scuff the surface. Remove all existing adhesives, loose or de-bonded coatings, contamination of any type, oil or grease residue, efflorescence, floor wax, or any sealer that could potentially create a bonding issue for Kwikrez Colourz. Residual adhesive residue can be sealed and made smooth by use of an appropriate cementitious skim coat or floor patching compound. When in question, bond tests should be considered. Contact IFM Tech Services @ 877-277-9100 with questions relating to floor preparation. Patch all minor floor imperfections using an appropriate polymer modified cementitious floor patching compound. Floors with excessive profile, deviation or undulations can be smoothed into tolerance by use of a polymer modified cementitious self-leveling underlayment.

**Cracks and Joints:** Non-moving cracks less than 1/4" in width, joints and saw cuts can be filled with a cementitious floor patching compound provided the slab is stable, fully cured, and has low moisture content (refer to substrate moisture testing requirements in the previous section). A functioning sub-slab moisture barrier with a perm rating of less than .1 perm is recommended. If moisture permeance through cracks, joints and saw cuts is a potential, fill with a two component, moisture tolerant epoxy mixed with a thickening agent such as KOSTER TA or similar. For questions regarding filling of cracks, joints and saw cuts, contact IFM Tech Services @ 877-277-9100.

**Dynamic or Moving Joints:** Active, moving joints and dynamic cold joints should be honored through the entire flooring system. The void should be cleaned and then filled with a flexible sealant using a mechanical expansion joint cover over it. The Kwikrez Colourz is then applied with the finished flooring system properly fitted to the mechanical joint.

**Wood Surfaces:** Make sure the substrate is smooth with fasteners sunk below the surface. Patch all joints between panels or boards with an appropriate patching compound or flexible caulking. Apply coating adjusting the spread rate to allow for additional absorption into the substrate. Leave at least 10 mils. dry film of Kwikrez Colourz on the surface. Very rough or absorptive surfaces could require two coats.

**Steel Surfaces:** All metal or steel surfaces should be clean- white, free from oils, corrosion or rusting oxidation. If these conditions exist, they need to be mechanically removed or primed with an appropriate metal primer or corrosion converting primer.

## Mixing

Open the Kwikrez Colourz container and pre-mix Part "A" resin contents at a slow speed using a variable speed mixer. Slowly add Part "B" hardener and blend two components together for approximately 30 seconds until the product has a smooth homogenous appearance. Next, while still mixing, slowly add the 8 lb. Ferrosilicon powder additive container into the Kwikrez Colourz liquid. Mix for at least an additional 90 seconds. You are now ready to dispense the product. Only mix and blend the amount of Kwikrez Colourz product you intend to use during each application. Fully blended materials should be immediately used or allowed to harden safely in the mixing container.

## Product Application

Kwikrez Colourz can be applied over various surface substrates. Carefully use and monitor the specified spread rates previously listed.

**Squeegee and Back-rolling method:** To ensure proper spread rates, the area of application should be measured and marked out for each kit to be installed at the recommended spread rate.

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Immediately after mixing, pour a ribbon of the material across the application area for that kit. Use a 10 mil notched squeegee to evenly spread the coating. Immediately following the squeegee process, roll the coating smooth to remove the trowel marks from the squeegee and to ensure an even, smooth coating. Roll in a perpendicular direction from the squeegee troweling. Finally, cross roll the coating a second time perpendicular to the first rolling direction. All steps should be completed immediately to render the best finish possible. Reference Kwikrez Colourz installation guide for a full list of tools and detailed installation instructions.

## Safety, Cleanup and Disposal

**Always use appropriate personal protection (PPE)** designated by the installation at hand. Gloves, eye protection, dust masks or respirators for spray applications are strongly suggested. Always follow all current OSHA guidelines for methods and equipment. Kwikrez Colourz is easily cleaned with warm, soapy water. Always clean the coating from surfaces with inadvertent splashes, drips, overspray immediately. Do not allow product to dry on such surfaces. Dispose of in accordance with local, state, and federal regulations.

## Storage and Shelf Life

Store any unused, unblended materials in a dry, environmentally controlled area. **Always protect the Kwikrez Colourz from freezing.**

The shelf life for unblended Kwikrez Colourz is 12 months (one year) from date of manufacturing as contained within the batch code.

## 5. AVAILABILITY AND TECHNICAL SERVICES

To find the nearest dealer, distributor or supplier of Kwikrez Colourz, or request technical assistance visit the Intelli-force magnetix™ website at [www.intelliforcemagnetix.com](http://www.intelliforcemagnetix.com), email [info@ifminnovates.com](mailto:info@ifminnovates.com) or call toll free @ 877-277-9100.

## 6. LIMITED WARRANTY

Kwikrez Colourz carries a One Year Limited Warranty. For terms, conditions, exclusions and coverages visit the Intelli-force magnetix™ website.

[www.intelliforcemagnetix.com](http://www.intelliforcemagnetix.com)

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