



1) Product Name

Intelli-Force Technology Corp. SkyBlu

2) Product Description

SkyBlu is a unique coating that can serve as a protective primer which can easily peel up, but also can serve as a receptive layer for magnetic flooring. It is made of certain magnetically receptive constituent materials. SkyBlu can be applied to both vertical and horizontal surfaces. A wide variety of magnetic flooring and wallcoverings is available using this primer for adhesion to the substrate in lieu of adhesive systems.

Features and benefits

- Peelable and removable primer to protect substrate surfaces from adhesives or other permanent coatings
- Simple, easy application. Can be brushed, rolled or sprayed
- Quick cure properties. 30 minutes to touch, cured in 60 minutes
- 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, tight Cementitious underlayments, Sealed Drywall, Sealed Wood, Glass, Terrazzo, and Plastic
- Can apply adhesives directly over SkyBlu
- Can be used for both vertical and horizontal installations
- No odor
- Provides excellent magnetically receptive surface for application of magnetic flooring, wall components, and wallcoverings
- Provides flexibility for exchanging finishes on floors and walls without the dust, repairs and noise related to standard replacements

Physical Properties

Spec. Gravity: 1.0493

Density: 8.7568 lb / gal

Solids (Vol %): 41.96

Reducer: Water

Wet Mils: 9.0-11.0 mils

Dry Mils: 3.77 - 4.62 mils

Flash Point: > 200° F

Boiling Point: 205° F

% VOC: .3571%

% HAPS: 0.0000

Shelf Life: 12 months

Packaging

One US Gallon Units / 3.79 Liter

One five (5) lb. FeSi Powder additive per kit (optional)

Spread Rates

Vertical Painted or Sealed surfaces: Apply two coats @ 300 - 325 Sq. Ft. per gallon per coat

Horizontal Surfaces: Apply one coat @ 350 Sq. Ft. per gallon and a second coat @ 200 Sq. Ft. per gallon.

Do not apply to porous or rough surfaces

3) Appropriate Applications

SkyBlu is only to be used on building interiors including floors, walls as well as other various vertical or horizontal surfaces. Beautiful, aesthetic, standard or magnetic architectural finishes and building elements can be installed and easily exchanged by use of this peelable high-tech primer system, that protects substrates from adhesive or coatings damage. Residential, commercial, and light manufacturing buildings provide many cost saving, long term opportunities for magnetically applied building elements by use of the SkyBlu primer system. This system can be applied in occupied buildings with virtually no disruption.

Suitable Substrates (vertical and horizontal)

- **Concrete**
- **Cementitious underlayments, mortars and floor patching compounds**
- **Sealed Drywall**
- **Terrazzo**
- **Glass**
- **Wood**
- **Plastic and fiberglass**
- **Existing flooring (call for IFM Tech Service @ 630-587-1800 for any such installations)**

Examining Substrates

It is important to examine all substrate surfaces for suitability of application. All loose materials, adhesives, spalling of concrete, peeling coatings, 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 or wall coatings 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 or taping compounds for walls are fully cured prior to application. *See the SkyBlu 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 90% RH. If levels do exceed 90% RH use Kwikrez Colourz Polyaspartic Magnetically Receptive Coating





alternatively. Test for alkalinity levels using ASTM F710 test method utilizing a digital test meter. Levels of pH should not exceed 10. If pH levels exceed 10, use Kwikrez Colourz Polyaspartic Magnetically Receptive Coating. *See the SkyBlu Limited Warranty for specific limitations. Do not install with hydrostatic pressure or driven water on any surface or in any cracks, joints, or saw cuts.

Ambient Conditions

Particular care should be taken to ensure the building envelope / ambient conditions are appropriate for the application of SkyBlu. 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 over 55% RH will affect drying, recoat and final curing times. Verify the product has fully cured before application of any adhesives or magnetic finishes.

Material Handling and Storage

All SkyBlu 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 SkyBlu 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 SkyBlu installation instructions for the full list of specific tools and equipment. If roller applied use a 3/8" napped roller cover. It is important to have a variable speed mixing drill and a "Jiffy Mixer" attachment for properly blending the coating. For magnetic installations, add the FeSi Powder additive. The SkyBlu Installation Manual can be found on our website at www.skyblucoating.com.

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 630-587-1800 with any questions relating to product integrity. Record all product batch codes found on the packaging and maintain for warranty compliance.

Surface Preparation

WALLS / VERTICAL SURFACES:

Drywall Wall Surfaces: Drywall surfaces need to be primed and painted in order to seal the surface, reducing porosity. Cracks, holes, or major imperfections need to be patched and fully sealed prior to application of SkyBlu.

Wood Surfaces: Wood surfaces need to be smooth and fully sealed with either paint or varnish, with a minimum satin sheen.

FLOORS:

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 90% RH. If levels do exceed 90% RH use Kwikrez Colourz Polyaspartic Magnetically Receptive Coating alternatively. Test for alkalinity levels using ASTM F710 test method utilizing a digital test meter. Levels of pH should not exceed 10. If pH levels exceed 10, use Kwikrez Colourz Polyaspartic Magnetically Receptive Coating.

Concrete Floors: Slabs must comply with ACI 201.2R-01 "Guide to Durable Concrete". Surface profile should be at most ICRI CSP 1. Floors with excessive profile should be ground smooth using a mechanical diamond grinding method (always follow the current OSHA guidelines for equipment & PPE requirements). 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 SkyBlu. 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 @ 630-587-1800 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. If using a floor patch or cementitious underlayment perform a test to ensure coating is peelable.

Existing Flooring or Terrazzo: Surfaces need to be smooth and well bonded. Perform test patch on waxed or sealed surfaces to ensure SkyBlu can be properly removed.

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 required. 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. For questions regarding filling of cracks, joints and saw cuts, contact IFM Tech Services @ 630-587-1800.

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 SkyBlu is then applied with the finished flooring system properly fitted to the mechanical joint.

PRODUCT APPLICATION

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

Mixing: SkyBlu is a single component peelable prime and can be easily mixed with FeSi powder to make it magnetically receptive for magnetic installation. As the coating is blended it breaks down and becomes very smooth and workable.





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SKYBLU

TECHNICAL DATA SHEET



Page 3 of 3

Standard Install: Start by blending the coating in the can with a variable speed mixer and a gallon sized paint mixing wand. Mix at a moderate speed for approximately 1 minute, or until the product has become smooth and fluid.

Magnetic Install: Perform "Standard Install" premix, then keep mixing the product while adding five pounds of the FeSi Powder slowly while blending. Keep mixing for approximately one minute or until the blended product is homogenous and consistent in viscosity. The product is now ready to pour into a paint tray or directly onto the substrate surface if horizontal. Once the SkyBlu and powder have been combined, the mixture will change from a bright blue to a steel blue. **If the steel blue color starts to revert to the original blue color, this is a sign that a remix is needed.** The FeSi powder is heavier than the SkyBlu molecules and will settle to the bottom of the can when sitting. It is essential to keep the mixture homogenous.

Roller Applied: SkyBlu is applied in the same manner as any architectural wall primer or single component floor coating. Using a 3/8" napped roller cover, apply the first coat evenly over the substrate surface at a rate of 300-325 Sq. Ft. per gallon for vertical surfaces or 350 Sq. Ft. per gallon for horizontal. Back-roll to ensure consistency of coverage. While still wet, apply a second coat at 300-325 Sq. Ft. per gallon for vertical surfaces or 200 Sq. Ft. per gallon for horizontal surfaces, cross rolling in the opposite direction of the first coat. Allow to fully dry for 60 minutes, prior to application of adhesive or magnetic flooring or wall components.

Spray Application: Thinning of the product with clean potable water is allowed and may be required depending upon the spray equipment utilized. Do not thin SkyBlu more than 10% using water only. Do not add any other manufacturer's components or products to the SkyBlu, this will void the Limited Warranty. Appropriate spray units include HVLP (High Volume Low Pressure) handheld spray units or airless sprayers for larger volume applications. Use a spray tip aperture and pressure setting that allows a consistent, even flowing spray pattern. Always monitor the spread rate of application to the substrate. Use a two-coat application for best results. When spraying be sure to cross over spray patterns in each direction to ensure even coverage. Back rolling spray applications often ensures even coverage. For floors, a three-foot extension wand can be utilized for accuracy of application and convenience. Always protect adjacent surfaces from product overspray. For walls, allow to fully cure before applying any architectural wall paint coating as a finish.

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. SkyBlu 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.

Product Removal

Please note, SkyBlu is made to peel up and cannot be effectively removed with a razor scraper, as it will shear through the coating and leave a residue.

SkyBlu can be easily removed from surfaces using the following methods:

Glue Down Flooring: Use a razor knife to cut through the flooring seams or carpet approximately every 2 feet, be careful not to damage the substrate surface. Starting at a corner, get beneath the flooring and SkyBlu coating, ensuring that both the SkyBlu and the flooring remain bonded together. You are lifting up both the flooring and coating at the same time. If any SkyBlu remains on the substrate, simply peel it up. When pulling up the flooring, try to pull evenly while rolling the material up as you pull backwards.

Magnetic SkyBlu: Use a razor knife to cut coating into strips approximately every 2 feet, be careful not to damage the substrate surface. Starting at a corner, get beneath the SkyBlu coating, ensuring it remains as a sheet as you pull back evenly. As the coating releases, roll it up as you pull backwards.

Walls or vertical surfaces: Do not cut into strips, as you will damage the surface beneath. Starting at a corner, slowly pull back and roll material as you remove it. Continue pulling while rolling until completely removed.

*SkyBlu leaves no residue, so there is no need for further cleanup.

*Dispose of all removed materials properly.

TECHNICAL SUPPORT To find the nearest dealer, distributor or supplier of SkyBlu, or request technical assistance visit the SkyBlu website at www.skyblucoating.com, email teche@ift.com or call 630-587-1800.

6) Limited Warranty

SkyBlu carries a One Year Limited Warranty.

For terms, conditions, exclusions and coverages visit the SkyBlu website.

For warranty compliance it is important to conduct a mockup test on the surface you intend to coat with SkyBlu. Small test sample kits are available to order in advance. Contact your sales representative or email orders@ift.com to place an order. This will help you to ensure SkyBlu will perform to your expectations or requirements.



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