Instructions for Use of the Anabec Systems Products

Instructions for the Application of Advanced Cleaning Solution Plus which is (FBC Approved for Lubrizol CPVC products but is NOT approved for use on Spears Manufacturing CPVC products)[1], Systems Stain Remover (S.S.R.) and X70 or X90 Barrier	**Pages 1 – 5**
Instructions for the Application of New Build 50 (Spot cleaning when necessary with The Advanced Cleaning Solution Plus)	**Pages 6 – 7**
Instructions for the Application and Use of Anasphere *Plus*	**Pages 8 – 9**
Instructions for the Application and Use of Anafresh	**Pages 10 – 11**
Miscellaneous Information All Products: Including but not limited to; Materials Compatibility, Equipment, Safety, PPE and shelf life.	**Pages 11 - 13**
Surface Testing Requirements for Warranty Submittals	**Pages 13 - 14**
Explanation of Anabec Transferrable Warranties	**Page 14**

Advanced Cleaning Solution Plus, Systems Stain Remover and X70 or X90 Moisture Barriers

Read detailed instructions for each specific application before applying the Anabec Product Systems. All instructions must be followed and documented for any Anabec warranty to be valid.

Anabec's Advanced Cleaning Solution Plus is approved by FBC and is safe for use on Lubrizol's CPVC products. The Advanced Cleaning Solution Plus is NOT approved for use on Spears Manufacturing CPVC Products.

"FBC™ System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® piping systems and products made with TempRite® Technology." "The FBC System Compatible Logo, FBC™, FlowGuard Gold®, BlazeMaster®, Corzan® and TempRite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates."

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.

Instructions for the Application of the Advanced Cleaning Solution Plus (FBC Approved for Lubrizol CPVC products), Systems Stain Remover (S.S.R.) and X70 or the X90 Barrier Products in a Microbial Abatement Setting

The Advanced Cleaning Solution Plus, is the cornerstone of the Anabec System, and is a hydrogen peroxide-based product. Useful for finished and unfinished building materials, this multi-purpose cleaner is often the first step in the Anabec System. The Advanced Cleaning Solution Plus mechanically removes organic debris and is very effective for use in residential, commercial and institutional facilities. If staining is a problem your first step will be to use Anabec's Systems Stain Remover (S.S.R.) followed by the Advanced Cleaning Solution Plus and lastly, the appropriate barrier. Advanced Cleaning Solution Plus is available in clear and blue tint. The clear dries clear, while the blue tint leaves a very light blue tracer behind.

IMPORTANT: Anabec's previous product, The Advanced Cleaning Solution, is NOT FOR USE ON CPVC Piping and Fittings. The Advanced Cleaning Solution Plus is approved by FBC and is safe for use on Lubrizol's CPVC products. The new and improved Advanced Cleaning Solution Plus replaced the Advanced Cleaning Solution in December 2018. The Advanced Cleaning Solution Plus is NOT approved for use on Spears Manufacturing CPVC Products.

X70 or X90 is the second or third step in the Anabec System of Products, depending on whether the Systems Stain Remover was applied. Application of X70 or X90 results in an extremely durable moisture barrier which can resist mold and mildew growth. X70 or X90 is applied after removing the staining with the Systems Stain Remover and cleaning the surface with the Advanced Cleaning Solution Plus. X70 or X90 is appropriate for use on previously cleaned, unfinished building material surfaces. X70 or X90 can serve as a primer for latex paints. X70 can be purchased in a clear, white or blue tint that dries as a clear sheen or translucent white or blue finish. X90 is a solid white and dries as an opaque white finish.

1.0 Application of Anabec Product Systems in a Microbial Abatement setting

1.1 Pre-remediation Assessment: Prior to remediation a complete investigation of the building must be done to find the source(s) of the contamination and to determine the extent of amplification of mold contamination. Please remember that ideal conditions for mold growth include; relative humidity over 65%, temperature range between 60- and 80-degrees Fahrenheit, and a moisture problem. To prevent recontamination or future contamination, the moisture problem that contributed to the mold growth must be identified and corrected or controlled. As necessary, samples should be collected and sent to an independent, qualified laboratory for analysis.

1.2 Moisture Content: Prior to remediation it is imperative the contractor test for moisture content of the building materials being treated. Recommended material moisture levels for applying the Anabec Product Systems should be 16- 20% in the areas that are to be treated. Materials should be as dry as possible so that the surfaces absorb the product. The Anabec Product Systems are designed and proven to effectively work at these percentages.

1.3 Work Area Access: Every worker or visitor entering the work area must have instructions and training in the potential hazards associated with the exposure to microorganisms. It is the responsibility of the contractor / workers to request the occupants to leave the work area while application of Anabec products is ongoing. If the occupant refuses to leave the work area the project should not continue.

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.

1.4 Work Area Containment: The work area must be contained to prevent the uncontrolled migration of dust and fungal spores from affected to unaffected areas. A primary critical barrier shall be constructed to envelope the entire abatement area and be large enough to effectively allow for uninhibited removal activities. This barrier typically consists of Polyethylene sheeting (fire retardant poly) often in combination with negative air pressure to prevent cross contamination. Negative air should be maintained, filtered and exhausted outside of the building by means of reinforced flex duct.

Systems Stain Remover (S.S.R.)

The Systems Stain Remover (S.S.R.) is to be used prior to the Advanced Cleaning Solution for removing stubborn staining. Please Note: This is a cosmetic product only. For remediation projects, the Advanced Cleaning Solution Plus followed by the appropriate moisture barrier (X70, X90 or New Build 50) must be used after the application of the S.S.R.

2.0 Systems Stain Remover (S.S.R.) Application Procedures



IMPORTANT: The Systems Stain Remover is NOT FOR USE ON CPVC Piping and Fittings

2.1 Application Procedures: These procedures are for the application of the Systems Stain Remover (S.S.R.) in areas where staining is persistent. No dilution or mixing is required prior to use. Apply the Systems Stain Remover (S.S.R.) using a corrosive friendly pump up sprayer. Caution should be taken, to **not use** an airless sprayer due to corrosiveness. Read full product labeling for First Aid and other important production information. Personal Protective Equipment (P.P.E.) should include full dermal protection and a respirator with an organic filter. Wear protective gloves, protective clothing, eye protection and face protection.

1) Have proper ventilation in the area where S.S.R. is to be applied.
2) Brush, scrub or wipe any visible mold, dirt or debris.
3) Hepa Vac all surfaces.
4) **Cover all sensitive or incompatible materials;** i.e. electrical equipment, antiques, paintings, some plastics, etc. (see Miscellaneous Product Section)
5) Spray S.S.R. on all stained areas until thoroughly wet and let stand until stains disappear.
6) Allow to dry 1 – 2 hours before applying the Advanced Cleaning Solution Plus followed by the appropriate barrier.
7) If staining persists a second coat may be necessary.
8) S.S.R. may not be able to remove stains imbedded in drywall, silicone, old grout or hard water deposits and tannin stains.
9) Coverage of S.S.R. is approximately 250 – 300 square feet per gallon.
10) Shelf Life: 4 months in a climate-controlled environment.
11) Clean up: Rinse well with water.

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.

3.0 Advanced Cleaning Solution Plus Application Procedures

3.1 Application Procedures: These procedures are for the application of the Advanced Cleaning Solution Plus in a Microbial Abatement setting. They are designed to be a minimum requirement for the application of the Anabec Product Systems and the validation of the applicable warranty associated with the process. See additional guidelines below for application to specific building materials. These procedures may vary based on specification documents, scientific community mandates and state-to-state guidelines.

1) Perform preliminary testing – See Surface Testing Requirements for Warranties on Pages 13-14.
2) Set up Containment system with negative air
3) Turn on negative air machine.
4) **Cover all sensitive or incompatible materials;** i.e**.** electrical equipment**,** antiques, paintings, some plastics, etc. (see Miscellaneous Product Section)
5) Brush lose particles and follow with HEPA vacuuming of the entire area to remove viable and nonviable mold spores. If building materials are water damaged or highly contaminated, then complete removal of materials at this step is warranted.
6) The Advanced Cleaning Solution Plus Clear is ready to use directly from the pail. A dilution is required prior to use for carpet applications (see section 3.2.5). The Advanced Cleaning Solution Plus Blue will require a slight agitation prior to use for a good mixture of the blue tint.
7) Brush, scrub or wipe any visible mold. Complete reduction of visible mold pigmentation may not be achieved; this is due to the natural pigments transferred to the building material. If staining is a problem, the Systems Stain Remover can be used prior to applying the Advanced Cleaning Solution Plus. As stated previously the Systems Stain Remover is a cosmetic product only and not a mold cleaner.
8) Apply the Advanced Cleaning Solution Plus to the contaminated materials using an airless sprayer or pump-up tank sprayer. The recommended tip size for the airless sprayer is .011. A light even coat of the Advanced Cleaning Solution Plus is all that is required. It is not necessary or recommended that the surfaces be saturated. The Advanced Cleaning Solution Plus can also be applied with a sponge, mop or spray bottle. Coverage rates will be lower with certain application methods.
9) When using a fogger, fog the air in the entire room with the Advanced Cleaning Solution Plus **(negative air should be turned off when fogging).** When using commercial foggers an Electric Ultra-Low –Volume (ULV) fogger should be used. Thermal Foggers cannot be used with Anabec products.
10) Allow approximately 30 minutes to 1 hour of drying time when using an airless sprayer. When fogging wait 30 minutes for the fine mist to dissipate before applying X70 or the X90 per the guidelines provided below.
11) Available in Clear or a Blue Tint.
12) Coverage of the Advanced Cleaning Solution Plus is approximately 800 – 1,000 square feet per gallon.
13) Shelf Life: 12 months in a climate-controlled environment.
14) Clean up: Soap and water or Simple Green.

3.2 Guidelines for application of the Advanced Cleaning Solution Plus to specific building materials

1) **Insulation:** Fogging must be done on insulation. Great care must be taken not to saturate the insulation surface. If the insulation is highly contaminated it must be removed. Allow one (1) day to dry before any vapor barrier is installed. Average coverage of insulation with fogger is 800-1,200 square feet per gallon (thickness of insulation will determine actual square foot coverage).
2) **Ceiling Tiles:** A small area of the ceiling must be tested for color fastness prior to application. The Anabec Product System is water based and could leave water rings if applied too heavily. An airless sprayer should be used on ceiling tiles. Average coverage of 2 x 4 fissure ceiling tile is 800-900 square feet per gallon.

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.

3) **Plenums:** The plenum (airspace above the drop ceiling) should be fogged with the Advanced Cleaning Solution Plus using an industrial fogger or airless sprayer with a .011 tip. All walls of the plenum, joists, insulation and fireproofing must also be fogged. Average coverage of a ceiling plenum is 800-1,200 square feet per gallon.
4) **Hard Non-Porous Surfaces:** Most hard surfaces can be treated with the Advanced Cleaning Solution Plus. Any surface that is treated, should be tested for color fastness prior to application. In most cases, wiping down the area before the application of the Advanced Cleaning Solution Plus with a clean cloth will be needed. An airless sprayer or hand wiping can be used on hard surfaces. When using a fogger or airless sprayer, take precaution to not over spray the hard surfaces. Average coverage of hard non-porous surface with: Airless sprayer is 800-1,000 square feet per gallon, Fogger is 1,200-1,800 square feet per gallon, hand wipe is 500-600 square feet per gallon.
5) **Carpets:** Only the Advanced Cleaning Solution Plus Clear is recommended for use on carpets. Carpets that are heavily soiled or test high in contamination should be removed and disposed of. A small discrete area should be tested first for color fastness prior to application. An industrial extractor must be used on the carpet with a three to one mixture (one part of the Advanced Cleaning Solution Plus and three parts water). The extractor should be capable of 100-psi delivery and 95 percent extraction. A slow walking speed by the applicator is essential for maximum coverage and penetration. Industrial fans must be placed at strategic locations to enhance the drying process. Carpet must be rinsed with warm water in the extractor. Average coverage with use of an industrial carpet extractor is approximately 650-800 square feet per gallon. Anabec does not recommend using the Advanced Cleaning Solution Plus on silk and/or fine oriental carpeting.

4.0 Anabec's X70 and X90 Application Procedures (NOT FOGGABLE)

1) Anabec's X70 and X90 are penetrating moisture resistant barriers that provide long-term protection against the stronger strains of mold. X70 and X90 can be applied to any building surface; however, it does leave a noticeable sheen, and is therefore appropriate for only raw building materials. X70 and X90 are a water-based latex penetrant and are recommended for unfinished surfaces such as wood, brick, block and drywall. X70 is available in clear, translucent white or blue tint, while X90 is available as an opaque (solid) white.
2) X70 and X90 are ready to use directly from the pail. No dilution is required prior to use.
3) Mixing is required prior to use. Use a drill with a paint paddle attachment to stir product for a minimum of 2-5 minutes for X70 and up to 10 minutes for X90. If adding tint to the product stir times require upwards of 15 minutes.
4) After treatment of the Advanced Cleaning Solution, spray a coat of the X70 or the X90 to the remediated surfaces (walls, ceilings, and floors, etc.) with an airless sprayer. The recommended tip size for the airless sprayer is .015 for X70 and .017 – .019 for X90. It is recommended that a light coat of the X70 or X90 be applied at approximately 1.5 to 2.0 wet mils per gallon of product.
5) Surfaces should be dry to the touch within 2 hours and completely dry in 18 – 24 hours.
6) Equipment clean up requires soap and water or Simple Green followed by a clean water rinse. This needs to be done immediately after application is completed.
7) Perform post testing – See Surface Testing Requirements for Warranties on Pages 13-14.
8) Coverage of the X70 is approximately 800 – 1,000 square feet per gallon.
9) Coverage of the X90 is approximately 200 - 400 square feet per gallon.
10) Shelf Life: 18 months in a climate-controlled environment.
11) Clean up: Soap and water or Simple Green.

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.

New Build 50 Moisture Barrier

New Build 50 is approved by the following:

"FBC™ System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® piping systems and products made with TempRite® Technology." "The FBC System Compatible Logo, FBC™, FlowGuard Gold®, BlazeMaster®, Corzan® and TempRite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates."

Spears, Southwire Romex, Charlotte Pipe and Foundry Company, Uponor Pex Piping, Lubrizol Corporation and ASTM D3273-16.

Read detailed instructions before applying the Anabec New Build 50 product.
All instructions must be followed and documented for any Anabec warranty to be valid.

Instructions for the Application of New Build 50

New Build 50 is a microbial barrier product specifically designed for application to new unfinished building surfaces. New Build 50 can be applied to CPVC, Romex, Galvanized metal, PEX, Engineered lumber, Fire treated lumber and metal fasteners without negative results or any off gassing. Application of New Build 50 to new building materials creates an extremely durable microbial barrier to inhibit microbial activity on the surface of the materials. The active microbial fighting ingredient is silver nitrate. New Build 50 is a stand-alone microbial penetrating barrier. The New Build 50 product can serve as a primer for latex paints. New Build 50 can be purchased in a clear, white or blue tint that dries as a clear sheen or translucent white or blue finish.

5.0 Application of New Build 50 for New Construction (NOT FOGGABLE)

5.1 Moisture Content. Prior to application of New Build 50 it is imperative the contractor test for moisture content of the building materials being treated. Recommended moisture levels for applying the Anabec Product Systems should be 16-20% in the materials that are to be treated. Materials should be as dry as possible so that the surfaces absorb the product. The Anabec Systems products are designed and proven to effectively work at these percentages.

5.2 Work Area Access: Every worker or visitor entering the work area must have instructions and training in the potential hazards associated with the exposure to microorganisms. It is the responsibility of the contractor / workers to request the occupants to leave the work area while application of Anabec products is ongoing. If the occupant refuses to leave the work area the project should not continue.

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.

5.3 New Build 50 is a penetrating moisture resistant barrier that provides long-term protection against the stronger strains of mold. New Build 50 is intended for applications to new building materials only. New Build 50 is available in clear, translucent white and blue tints available from Anabec.

Application Procedures for New Build 50

1) Perform preliminary testing – See Surface Testing Requirements for Warranties on Pages 13-14.
2) New Build 50 is ready to use directly from the pail. No dilution is required prior to use.
3) Mixing is required prior to use. Use a drill with paint paddle attachment to stir product for 2-5 minutes, settling may require additional stirring.
4) If adding tints, additional stirring of approximately 15 minutes (particularly with white) may be required for complete homogenization.
5) It is required that the moisture content of the surfaces being treating is 16-20%.
6) Cover any materials that are not to be treated with plastic prior to application of New Build 50 (recommend 6 mil. poly). New Build 50 will stain and or leave a sheen, so protection of all finished material is necessary.
7) Check for material compatibility prior to application of New Build 50.
8) Prior to application remove trash from the work area and if appropriate vacuum the entire area to remove dust / dirt from the surfaces to be treated.
9) **If there is any visible mold on the lumber (often called lumberyard mold) spot clean with Anabec's Advanced Cleaning Solution Plus before applying New Build 50.**
10) Spray all areas with New Build 50 using an airless sprayer including all 90-degree angles where framework meets floorboards and plates. Be sure to spray walls containing plumbing, underside of roof, door jams, crawl spaces, or any area sensitive to moisture intrusion. Do not saturate the surface. The recommended tip size for the airless sprayer is .015. It is recommended that a light coat of New Build 50 be applied at approximately 1.5 to 2.0 wet mils per gallon of product. Surfaces should be dry to the touch in approximately 1-2 hours and totally dry in 24 -48 hours.
11) Windowsills and headers are major mold growth starting points. It is preferred that windows not be installed before applying New Build 50. If windows are already in place be sure to properly cover window glass.
12) Equipment clean up requires soap and water or Simple Green, followed by a clean water rinse. This needs to be done immediately after application.
13) Coverage of New Build 50 is approximately 800 – 1,000 square feet per gallon.
14) Shelf Life: 18 months in a climate-controlled environment.

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.

Anasphere *Plus*

A complete booklet of Directions for Use Label for Anasphere Plus will be included in each box of purchased product or on Anabec's web-site; www.anabec.com, under products and supplies tab, Anasphere Plus and go to Product Info on the lower right hand side and click in Master Label.



IMPORTANT: Anasphere Plus is NOT FOR USE ON CPVC Piping and Fittings

Anasphere Plus is an EPA registered hospital grade disinfectant, detergent, fungicide, bactericide, virucide and mildewstat. Anasphere Plus offers the best science the world has to offer. Anasphere Plus is effective against most pathogens currently affecting the world. Anasphere Plus has over 140 kill claims, including but not limited to; Hepatitis B & C virus, Herpes Simplex type 1 & 2 virus, HIV-1 (AIDS virus), MRSA, Influenza (All Strains), Measles virus, Noro virus and many more. Anasphere Plus can be used as a stand-alone product or can be applied after cleaning the surface with the Advanced Cleaning Solution Plus. Anasphere Plus is a concentrate and is mixed according to the appropriate dilution rates listed in the Master Label for the specific cleaning or disinfecting project. Anasphere Plus may be used on washable hard non-porous surfaces.

Anasphere Plus can be used in the following areas to name just a few; Water Damage Restoration, Smoke Damage Restoration, Disinfection/Fungicidal/*Virucidal*, Cleaning and Decontamination against HIV-1, HCV & HBV on Surfaces/Objects Soiled with Bloody/Body Fluids, General Deodorization, Mold & Mildew Control, Disinfect Toilet Bowls, Poultry (and Swine) Premise Sanitation Site Preparation, Farm Premise Disinfection, Veterinary Clinics/Animal Life Science Laboratory/Zoos/Pet Shop/Kennels/Breeding and grooming Establishment/Tack Shops Disinfection, Sanitizing Incubators and Hatchers, Commercial Florist Use, Laundry Additive (Residual Bacteriostatic and Residual Self Sanitizing Activity under Conditions of High Relative Humidity or Wet Contamination) Against Odor-Causing Bacteria for Institutional, Industrial and Hospital Use, Odors Caused by Dogs, Cats and Other Domestic Animals, Carpet Deodorizer Against Odor-Causing Bacteria, for Home, Institutional, Industrial and Hospital Use, Salon Barber Instruments and Tools Sanitizer, Shoe Bath Sanitizer and Food processing Plants.

1. **Precleaning**: To achieve the best results, Anabec recommends pre-cleaning heavily soiled surfaces with Anabec's Advanced Cleaning Solution Plus. Failure to pre-clean heavily soiled surfaces will diminish Anasphere Plus's effectiveness.

2. **Mixing**: Refer to the Anasphere Plus Master Label for specific application mixing concentrations. The Master Label is included with your purchase or can also be found on the Anabec web-site; www.anabec.com.

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.

3. **Labeling**: For product control, secondary bottles of ready to use Anasphere Plus should be labeled with the contents but do not need a complete pesticide label. To remain in compliance with regulations, the ready to use mixture of Anasphere Plus cannot be distributed, sold, or left behind with a customer.

4. **Safety**: Anasphere Plus as a concentrate and is corrosive in the concentrated form. Anapshere Plus may cause skin and eye irritation. Anasphere Plus is harmful if swallowed. When mixing and applying Anasphere Plus, take precautions, such as; PPE (gloves, safety glasses, respiratory protection and disposable full body clothing) to avoid skin or eye contact. If spraying or fogging, respiratory protection is necessary to avoid breathing in the mist. Refer to both the product SDS and the Master Label for a complete list of hazard identifications and first aid measures. Consult with your corporate health and safety personnel for further guidance.

5. **Materials Compatibility**: Ensure sensitive building materials, furnishings and any other sensitive materials are either protected or verified compatible with the Anabec products by testing small inconspicuous areas and checking with material manufacturers. Items of concern include certain types of plastics; including CPVC piping and fittings, electronics and non-colorfast fabrics.

6. **Airless Sprayer Application**: Spray a light coat of Anasphere Plus to the walls, ceilings, floors and inanimate objects using an airless sprayer until all of surfaces are thoroughly wet. The recommended tip size for the airless sprayer is .011. Refer to the Master Label for a complete list of instructions for use of Anasphere Plus including the required time that the surfaces must remain wet.

7. **Fogging Application**: When using a fogger, contain the space to be fogged, fog the space with Anasphere Plus until all surfaces are thoroughly wetted. Refer to the Master Label for a complete list of instructions for use of Anasphere Plus including the required time that the surfaces must remain wet. Allow 2 hours for the fog to dissipate before entering the space without PPE. Thermal Foggers **cannot** be used with Anasphere Plus. When using a commercial fogger an Electric Ultra-Low –Volume (ULV) fogger should be used.

8. **Clean-up**: Equipment clean up requires clean water only.

Refer to the full product Master Label for a complete list of the EPA approved applications and instructions for Anasphere Plus.

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.

Anafresh Deodorizer

Read detailed instructions before applying the Anabec Anafresh product.

Instructions for the Application and Use of Anafresh

Anafresh is a concentrated deodorizer that is a safe and effective tool for eliminating tough odors caused by disasters. The concentrate is designed to target and completely neutralize the odors left behind by fires, smoke, flooding, tobacco, sewer backflow cleanup, laundry, textiles, mold and mildew. Anafresh is formulated with a proprietary blend of 100% Biodegradable essential oils, is water soluble and has a neutral pH. The product is safe for use on all types of finished and unfinished building materials, furnishings and textiles.

The concentration of this product must meet or exceed the concentration of the odor molecule to be fully effective. If the odor persists after the first application, it may be necessary to apply a second application to the affected areas. Anafresh must come into contact with the offensive odor source to be effective.

1. **Precleaning**: To achieve the best results Anabec recommends pre-cleaning heavily soiled surfaces with an appropriate cleaning agent.

2. **Mixing**: For most odors mix 2 – 8 ounces of the Anafresh with 1 gallon of clean water or add to a cleaning detergent. DO NOT mix with bleach-based cleaners. This will significantly diminish the effectiveness of the product. Below are some of the recommended solution concentrations:
    - Fire Damaged Surfaces: 8 oz. per gallon
    - Smoke Residue on Surfaces: 4 oz. per gallon
    - Water / Flood Restoration: 2 – 4 oz. per gallon
    - Mold and Mildew: 2 - 4 oz. per gallon
    - Sewer Backflow: 2 – 4 oz. per gallon
    - Tobacco Odors: 2 – 4 oz. per gallon
    - Laundry and Textiles: 2 – 4 oz. per gallon

3. **Labeling**: For product control, secondary bottles of ready to use Anafresh should be labeled with the contents.

4. **Safety**: Anafresh is a concentrate and may cause temporary eye irritation. May also cause an allergic skin irritation. Use personal protective equipment as required. Anafresh is packaged and intended for commercial use. Completely review the SDS and Product Label prior to use.

5. **Materials Compatibility**: Ensure sensitive building materials, furnishings and any other sensitive materials are either protected or verified compatible with the Anabec products by testing small inconspicuous areas and checking with material manufacturers. Items of concern include certain types of plastics; including CPVC piping and fittings, electronics and non-colorfast fabrics.

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.

6. **Airless Sprayer Application**: Spray a light coat of Anafresh to the affected areas. The recommended tip size for the airless sprayer is .011. Anafresh should be left on the surface to dry. If the odor of Anafresh persists after application, the concentration of the solution was too high. Clean equipment with clean water.

7. **Fogging Application**: When using a fogger, contain the space to be fogged, fog the space with Anafresh until all affected areas have been treated. Anafresh should be left on the surface to dry. If the odor of Anafresh persists after application, the concentration of the solution was too high. Clean equipment with clean water. Thermal Foggers **cannot** be used with Anafresh. When using a commercial fogger an Electric Ultra-Low –Volume (ULV) fogger should be used.

8. **Bucket / Rag or Mop**: When applying with a rag or mop, thoroughly wet the rag or mop and apply to the surface, ensuring the surface is wetted. Wipe until damp. Anafresh should be left on the surface to dry. If the odor of Anafresh persists after application, the concentration of the solution was too high.

9. **Sprayer Application**: When using handheld sprayers, use a coarse pump or trigger sprayer. Spray 6-8 inches from the surface until damp. Anafresh should be left on the surface to dry. If the odor of Anafresh persists after application, the concentration of the solution was too high.

10. **Clean-up**: Equipment clean up requires clean water only.

11. **Shelf-Life**: Both the concentrate and the Ready-to-use solution will remain viable for an indefinite period.

Refer to the product label for complete application / instructions.

Miscellaneous Information on All Products: Including but not limited to; Materials Compatibility, Equipment, Safety, PPE and Shelf Life

1. **Materials Compatibility**:
   Systems Stain Remover, X70, X90, Anasphere Plus and Anafresh - Ensure sensitive building materials, furnishings and any other sensitive materials are either protected or verified compatible with the Anabec products by testing small inconspicuous areas and checking with material manufacturers. **A known material incompatible with the Systems Stain Remover S.S.R. is Chlorinated Polyvinyl Chloride (CPVC). CPVC is frequently used in newer sprinkler systems and plumbing supply lines. Anabec's previous product; The Advanced Cleaning Solution is also not approved for use on CPVC piping and fittings.** Other items frequently found in an unfinished construction space that likely need special attention include; open electric connections, electronic components and pneumatic valving. Items frequently found in finished spaces that require protection from the Advanced Cleaning Solution Plus, Systems Stain Remover, X-70, X-90, Anasphere Plus and Anafresh include, but are not limited to; non-colorfast fabrics, silk fabric, oriental carpeting, antique furnishings, painting and artwork to name just a few. The Systems Stain Remover is a corrosive sodium hypochlorite solution and care should be taken when applying to surfaces, as well as, the surrounding area. X70 and X90 should not be applied to interior finished spaces, furnishings or any fabrics since the make-up of these products is like a latex paint.

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.

The Advanced Cleaning Solution Plus – The Advanced Cleaning Solution Plus (Clear or Blue Tint) is suitable for finished and un-finished building materials and is approved by FBC - "FBC™ System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® piping systems and products made with TempRite® Technology." "The FBC System Compatible Logo, FBC™, FlowGuard Gold®, BlazeMaster®, Corzan® and TempRite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates." As stated above, any surface that is suspect to compatibility should be tested in an inconspicuous spot.

New Build 50 - New Build 50 (Clear, White or Blue Tint) is suitable for any product type that can be painted with a latex paint. Items frequently found in unfinished construction space that likely need special attention include open electric connections, electronic components and pneumatic valving. New Build 50 should not be applied to interior finished spaces, furnishings or any fabrics. New Build 50 is approved by FBC - "FBC™ System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® piping systems and products made with TempRite® Technology." "The FBC System Compatible Logo, FBC™, FlowGuard Gold®, BlazeMaster®, Corzan® and TempRite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates." New Build 50 is also approved by the following: Spears, Southwire Romex, Charlotte Pipe and Foundry Company, Uponor Pex Piping, and ASTM D3273-16.

2. **Equipment**: Some basic equipment for mold remediation when applying the Anabec Product System:

- Moisture meter
- HEPA-vacuum
- Negative air machine
- Pump Sprayer
- Electric Airless Sprayer
- Fogger
- Foamer
- Drying / Dehumidification Equipment
- Containment Materials
- Course Nylon Brushes
- Safety / Warning Signs
- Appropriate Respiratory Protection
- Appropriate PPE
- Surface Testing Kit / Supplies
- Poly Sheeting
- S.S.R. must be used in a corrosive friendly pump up sprayer

3. **Worker Safety**: All safety regulations as per OSHA, or any other governing body, must be followed throughout the procedure. All workers handling the Anabec products must have successfully completed the Anabec on-line training and reviewed the pertinent product SDS. Workers should confer with their corporate Health and Safety personnel for further guidance.

4. **Personal Protective Equipment (PPE)**: PPE shall comply with the OSHA requirements. Anabec suggests full body disposable coverall, full-face positive air purifying respirators with HEPA filtrations and disposable nitrile gloves. Workers should refer to their corporate respirator protection plan, corporate Health and Safety personnel and the applicable SDS for further guidance.

5. **Temperature**: When applying the Anabec Product System the air temperature should be above 40 degrees Fahrenheit to prevent freezing of product. Anabec products should be stored in a climate-controlled environment.

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.

6. **Warranty**: Warranties may be offered by Qualified Contractors who participate in the Anabec Corporate Warranty Program. A completed original warranty, checklist, photo documentation and laboratory testing must be submitted to the Anabec corporate office for validation. All warranty paperwork must be received within 3 weeks of project completion. Contractors may offer warranties once they have completed the due diligence to become a qualified Anabec Advantage Contractor.

7. **Shelf Life**: The Advanced Cleaning Solution Plus has a shelf life of 12 months, X70, X90 and New Build 50 have a shelf life of 18 months from the date of manufacture. The Systems Stain Remover S.S.R, has a shelf life of 4 months from the date of manufacture. Anasphere *Plus* and Anafresh have an indefinite shelf life from the date of purchase in their concentrated state.

8. **Cleaning Equipment**: To ensure the longevity of equipment and to prevent clogging, it is recommended to thoroughly clean all equipment with warm soapy water or Simple Green after each application of the Anabec Product System. After the application of the Advanced Cleaning Solution Plus, be sure to flush out the equipment system before using X70, X90 or New Build 50. It is recommended to thoroughly clean your equipment immediately after the use of X70, X90 or New Build 50 with warm soapy water or Simple Green.

Surface Testing Requirements for Warranties

1. **Surface Testing Requirements for Advanced Cleaner Plus and X70 or X90**: Preliminary and Post surface testing is required for warranty validation. Anabec promotes that an independent environmental consultant takes the surface samples. If the samples are taken by the contractor, the homeowner must sign the chain of custody and warranty form stating that they watched the samples being taken. An accredited, independent third-party laboratory is required to perform testing. All testing done by the independent laboratory must be **QUANTITATIVE** Testing results, not qualitative. The requirements for each Anabec Product System is outlined below:

Testing Requirements

A minimum of three surface lift tape tests should be taken per containment area or 1000 square feet of floor space. For projects over 1000 square feet of floor space an additional 1 sample per 1000 square feet is required (see Table I). Preliminary and post samples should be taken at the same specific site with little variance Suggested areas to test: Each room treated: ceiling, wall, and carpet/floor. Attic: roof decking, rafters. Basement: sub-flooring, joists, foundation walls. Perform post testing 48 hours after completion of remediation.

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.

Table I
Lift Tape Testing Requirements
for Mold Remediation Projects

Square Footage	# Pre Samples	# Post Samples
0 to 1000 SF	3	3
>1000 to 2000 SF	4	4
>2000 to 3000 SF	5	5
>3000 to 4000 SF	6	6
Etc….		

2. **Surface Testing Requirements for New Build 50**. Preliminary surface testing is required for warranty validation. Anabec promotes that an independent environmental consultant takes the surface samples. If the samples are taken by the contractor, the homeowner must sign the chain of custody and warranty form stating that they watched the samples being taken. An accredited, independent third-party laboratory is required to perform testing. Testing requirements for New Build 50: A minimum of three surface lift tape tests should be taken per 10,000 square feet of treated area prior to the application of New Build 50. For projects over 10,000 square feet of treated area an additional 1 sample per 5,000 square feet is required (see Table I).

Table I
Lift Tape Testing Requirements
For Prevention Projects

Square Footage	# Pre Samples
0 to 10,000 SF	3
>10,000 to 15,000 SF	4
>15,000 to 20,000 SF	5
>20,000 to 25,000 SF	6
>25,000 to 30,000 SF	7
>30,000 to 35,000 SF	8
etc…	

Please contact Anabec, Inc. if you have any additional questions when using our products at 716-759-1674 or toll free at 800-369-8463. You can also find information including SDS's, Warranty Forms, Free On-Line Training Video, General Instructions and product information on our web-site at www.anabec.com.

The following transferrable warranties are available when using the Anabec Systems products as follows:

1. 30-year transferable warranty when using the Advanced Cleaning Solution Plus and the X70 or X90 moisture barrier. Please note that the remediation and application of the Anabec products must be completed by an Anabec Trained and Certified Contractor, who participates in the Anabec Corporate Warranty Program.
2. 50-year transferable warranty when using the Advanced Cleaning Solution Plus and the New Build 50 moisture barrier. Please note that the remediation and application of the Anabec products must be completed by an Anabec Trained and Certified Contractor, who participates in the Anabec Corporate Warranty Program.

This document is intended as a minimum starting point guideline for remediation activities when using Anabec Systems products for mold remediation. Refer to site specification, regulatory documents and industry standards to develop comprehensive site work practices and worker protection guidelines.