



WerkMaster Chemicals Inc.

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DESCRIPTION

UltraDye Water-Based Translucent Polished Concrete Dye is formulated using fine colour particles that provide the ability to uniformly colour polished concrete surfaces.

INTENDED USE

- Interior Application Only
- Apply to any un-sealed and non-densified floor that does not contain a curing agent or products that may act as a barrier to inhibit penetration of the colour.

PRODUCT FEATURES

- Water-based, fast drying
- Ability to control colours
- No downtime after mixing
- Works with all current polish systems
- May be used to highlight or fix acid stain
- No odour or flammability concerns

PHYSICAL PROPERTIES

- Flash Point None
- Viscosity Water-Like
- Colours 6 available

LIMITATIONS OF USE

For industrial/professional use only.

ORDERING INFORMATION

Call WerkMaster toll free:
1.866.373.WERK

BASIC USE

UltraDye is available in 6 standard colours, in addition to your being able to alter the dye colour in the field using WerkMaster's exclusive Tint Pack. The Tint Pack additive colours are white, black, red and yellow, and can be used by the trained applicator to alter colours to provide shade adjustments or custom colours and highlights. UltraDye can also be used on non-polished concrete in conjunction with topical sealers as long as bond barriers do not exist.

SHIPPING INFORMATION

UltraDye is shipped as ready-to-use liquid in 1 and 5 gallon containers. They are non-hazardous and capable of being shipped by air or ground transportation.

MIXING INSTRUCTIONS

No mixing required.

APPLICATION INSTRUCTIONS

UltraDye coverage will vary based on the age, porosity, texture, design mix, finishing method and moisture content of the floor, along with the method of application used. WerkMaster recommends the use of a sprayer with adjustable fine tip conical nozzle, or an airless sprayer, for application, in conjunction with a microfiber pad. Water-based UltraDye DOES NOT REQUIRE AN ACETONE RESISTANT SPRAYER. Coverage rates can vary significantly, not only from floor to floor, but even within the same project.

INSTALLATION

UltraDye is shipped ready-to-use; all that is necessary for you to do is to pour the UltraDye into your sprayer and to start dyeing. Temperature of concrete floor should be between 40°F to 70°F.

Perform a test on the floor of the jobsite prior to commencing with the project. Conduct the steps for the test as you will on the actual job in order to increase your ability to achieve the same results on the project, as on the test. Prior to mobilizing for the project is the proper time to establish that the floor will accept the UltraDye, along with establishing coverage rates to match final colour expectations.

Contact WerkMaster for guidelines when using portable hand grinders for sample making as the timing of dye application will be different.

When the UltraDye is to be applied to polished concrete, it may be done in conjunction with most proven chemical densifiers. (You will confirm the UltraDye compatibility during your test.) Establish your diamond starting point, ensuring that you are grinding deep enough to remove any oil films or bond breakers that may interfere with the UltraDye's penetration into the concrete. (Remember that while dyes can mask some irregularities and spots in the slab, they will not cover them up or eliminate them.) It is recommended that UltraDye be

applied following your 200 grit resin diamonds step. Clean the floor immediately prior to application of UltraDye.

One application is appropriate when you wish to achieve a slightly mottled look, similar to acid stain, but two applications are recommended for monolithic appearances. When applying two applications, wait for the floor to dry to the touch before proceeding with the 2nd application. This usually occurs within 15 – 30 minutes, depending on temperature and humidity.

Apply the UltraDye with a pump or airless sprayer. Spray an area, approximately 3 to 5 feet wide, applying enough material to coat the surface, but not puddle. As one person is applying the UltraDye, a companion should be working the UltraDye around and into the floor with a microfiber pad. If applying two coats, allow the first to dry to the touch before starting the second coat.

Once you have finished your UltraDye application(s), and have allowed the dye to cure completely (preferably overnight), you may continue to your next polishing step(s). Unlike powder-based dyes, you should have very little UltraDye residue on the surface of the floor following proper application rates. Follow your remaining polishing steps; buff the floor with a dry white pad if polishing dust remains after your last step, and then apply your preferred chemical densifier. If recommended by the densifier manufacturer, following UltraDye application, your densifier may be applied after any diamond step, first allowing dye to fully cure.

MAINTENANCE

It is natural to have the release of trace residual UltraDye colourant from the floor during the initial cleanings. This is not a failure of the UltraDye to penetrate and attach to the concrete, but is the removal of the final excess residue that occurs with water and the scrubbing action of the cleaning equipment.

It is recommended that you utilize a slightly alkaline product when cleaning the floor. DO NOT use acids, very high alkaline cleaners or ammonia-based products, as these can cause damage to the dyed surface. Cleaning frequency is dependent on the location, type of traffic and traffic frequency.

CLEAN-UP

UltraDye is water-based, and spills can be removed with soap and water if cleaned up before they dry.

OPTIMAL RESULTS

To deliver optimal results follow these guidelines:

- Apply with a pump or airless sprayer.
- Tape and Protect all adjacent areas of concern. Due to the controlled nature of this product you should not experience the “drift” and excessive over spray of some products, but should still use appropriate caution to protect adjacent surfaces.
- Only recommended for interior use.
- Always follow the UltraDye application with final polishing steps, and then a chemical densifier to lock in the colors and strengthen the concrete slab.
- Should you choose to apply UltraDye without the protection of a chemical densifier, you will need to protect the floor with a topical sealer. Again pre-test for compatibility.

GRAPHICS

UltraDye is a natural extension for providing graphics, design, and signage or logos to floors, Graphics can be achieved with the use of shallow decorative saw cuts, automotive pin stripping tape, and stencils to name a few. When applying tape or stencils, it's important to have the floor ground up through 200 grit diamonds. Clean the floor immediately prior to applying tape or stencils in order to eliminate all dust from under the tape or stencil. This minimizes bleed

STORAGE

Store UltraDye in a clean, dry area between 40–85° F. Keep Product From Freezing. Shelf life for unopened container is one year.

PRECAUTIONS

Please refer to the appropriate material safety data sheet (MSDS) prior to using this product.

For technical assistance, please call 1-866-373-WERK

FOR INDUSTRIAL/PROFESSIONAL USE ONLY

Dispose of according to law and local regulations.

WARRANTY

WerkMaster Chemicals Inc. will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

DISCLAIMER

All information on this data sheet is based on laboratory testing and is not intended for design purposes. WerkMaster Chemicals Inc. makes no representations or warranties of any kind concerning this data.

Taking it to the Wall!