

DESCRIPTION

Deso Dye is a high strength, concentrated, penetrating colorant intended to be used over concrete (regular/polymer modified) surfaces. *Deso Dye* can be used to create a range of affects from subtle earth tones to vibrant hues. They reflect light of specific wavelength making the colors very sharp and translucent.

Deso Dye can be used as primary colorant or as a secondary treatment over acid stains or integrally colored concrete or polymer modified concrete like self leveling concrete and micro-toppings. It is suitable for interior surfaces only.

ADVANTAGES

- Deeper color penetration
- Zero VOC
- Can be mixed with water or acetone or **both**
- Instant drying when mixed with acetone
- Suitable for polished concrete or polymer concrete
- Very good stability in INETRIOR surfaces only
- Ease of shipping – next day air shipping possible with FedEx or UPS

SURFACE PREPARATION

The surface must be structurally sound, clean, dry and dust free to insure optimum performance. Concrete substrate should be fully cured for at least 28 days before the application of *Deso Dye*.

SUGGESTED STARTING POINT FORMULATIONS

(Shake well before use)

Concrete: Mix one bottle of *Deso Dye* with 2 gal of acetone OR 1gal of Water and 1 gal of acetone

Polymer Concrete/Overlays/Micro-toppings: Mix one bottle of *Deso Dye* with 2gal of water OR 1gal of water and 1gal of acetone

For crisp Graphics or on Polished Concrete: Mix one bottle of *Deso Dye* with 1gal of acetone

APPLICATION

Contractors should first perfect their spraying and finishing techniques before coloring the surfaces. Air movement, temperature, type of concrete and finish will affect the amount of penetration and final result. For large projects it may be necessary to do on-site mock ups. A cone nozzle spray tip produces the best results with a tip made from a metal composition (e.g., brass). Before starting the application of dye, determine a color plan with the appropriate dilutions and blends. Make a ready-to-use dye stain in the desired color by blending *Deso Dye* with acetone and/or water. When mixing with acetone, spray a full wet coat at low pressure and allow drying for 10 to 30 minutes before applying another coat, if desired. Drying time will vary depending upon the blending solution and the environment where product is being applied. If polishing floor, apply dye prior to final polishing pass. Once the desired result is achieved, seal the surface with a sealer that can be sprayed and not rolled.

COVERAGE

It depends upon the dilution ratio. Typically 1gal of liquid will cover 250 to 300ft².

LIMITATIONS

- Deso Dyes* are not recommended for exterior surfaces
- When crisp graphics are required, do not blend *Deso Dye* with water as it may bleed under masking tape; use acetone instead
- Deso Dye* must not be exposed to direct sunlight
- It cannot be used under acid stains.
- Warmer surfaces may take the dyes with greater intensity
- Rougher areas and porous surfaces may absorb the dye differently and hence show varying color reflectivity

CLEAN UP

Use lacquer thinner when dye is mixed with acetone, otherwise use water. Remove all sources of ignition when using acetone. Ventilate and remove with inert absorbent. Incinerate in approved facility. Do not incinerate within a closed container. Dispose of in accordance with federal, state and local regulations.

STORAGE

Store in cool dry conditions above 40°F (4°C). Do not Freeze. Do not use the product that has been frozen. Do not use product that has been stored at temperatures above 90°F for extended periods.

AVAILABILITY

Deso Dye is available throughout the United States and Canada. Contact *Düraamen* representative in your area for details.

TECHNICAL SERVICE

Düraamen Engineered Products, Inc. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

HEALTH CAUTION

DESODYE IS COMBUSTIBLE WHEN MIXED WITH ACETONE!

Vapors may cause flash fires. Keep away from heat, sparks and open flame. During use and until all vapors are gone, keep the area ventilated, do not smoke, extinguish all flames, pilot lights and heaters; turn off all stoves, electric tools, and appliances and any other sources of ignition.

DESODYE IS POISNOUS. Do not take internally. Keep out of the reach of children.

Acetone vapors are harmful if inhaled. Irritates eyes, skin and respiratory tract and can be absorbed through skin. May cause eye damage and may be fatal or cause blindness if swallowed. Wear an appropriate, properly fitted vapor/particular respirator (NIOSH/MSHA approved) during application when using acetone.

Corporate office

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FIRST AID

Inhalation: If irritation occurs causing coughing phlegm, remove to fresh air. Call for medical assistance if coughing doesn't subside. If breathing becomes labored, oxygen may be administered by a trained professional.

Skin: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

Eyes: Check for and remove lens. Immediately and thoroughly flush eyes with large amounts of water for at least 15 minutes, occasionally lifting the lower and upper eyelids.

Ingestion: If patient is conscious, give one or two glasses of water. Do not induce vomiting. Do not give anything by mouth to a convulsing or unconscious person. To avoid accidental aspiration if vomiting should occur, have victim lean forward with head down and SEEK IMMEDIATE MEDICAL ATTENTION.

NOTE: DESO Dye is manufactured by Smart Surface Technology Inc., Richmond, BC Canada and marketed by Duraamen Engineered Products Inc.

WARRANTY

Düraamen Engineered Products Inc. warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of *Düraamen*. If any product fails to meet this warranty, the liability of *Düraamen* will be limited to replacement of any non-conforming material if notice of such non-conformity is given to *Düraamen* within (1) one year of delivery of materials. *Düraamen* may in its discretion refund the price received by *Düraamen* in lieu of replacing the material. No customer, distributor or representative is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of *Düraamen*. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. *Düraamen* reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. DÜRAAMEN'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND DÜRAAMEN SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY OTHER THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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