

**Technic data sheet:**

## **ECOGUARD™ Color Infusion**

The **GREEN** alternative to color enhancement for polished concrete applications  
**PRODUCT DESCRIPTION:** isi GmbH Germany **ECOGUARD™ Color Infusion** is a water soluble concentrate which offers all of the advantages of solvent based dye solutions, with none of the dangers of fumes or flammability issues.

**Color Infusion** dyes are designed to penetrate well into the concrete matrix, and polished to a high level resin, with minimal to no color loss.

**Color Infusion** is a sustainable, long lasting, easy to apply and maintain, color medium. **Color Infusion** uses high quality synthetically manufactured dyes, and is not recommended for use in exterior applications. Ideal uses are for polished concrete floors, commercial concrete flatwork or decorative stamping exposed to high traffic such as terminals, lobbies, showroom floors, restaurants, grocery stores, schools, malls, as well as residential kitchen floors, and living spaces. **Color Infusion** can also be used on concrete countertops, and polished or sealed with approved countertop treatments such as ECOGUARD PSP.

### **BENEFITS:**

- 1. New improved formula allows higher dilution ratio, reduced odor, and indefinite**
- 2. dye stability after dilution**
- 3. A deep penetrating water soluble dye that is water insoluble once dry**
- 4. Easy to apply by construction grade pump up sprayer - no acetone resistant**
- 5. sprayer required**
- 6. Sprayer can be cleaned with water only, no hazardous chemicals to dispose of**
- 7. Excellent color retention under concrete polishing applications, both wet and dry**
- 8. Deep, brilliant color schemes available in 24 shades**
- 9. Water base formula is safer to use than traditional solvent based dyes**
- 10. Environmentally friendly formula qualifies for LEED accredited projects**
- 11. Very low VOC content ,no related flammability hazards during shipping o application**

**COMPOSITION:** **ECOGUARD™ Color Infusion** contains a proprietary blend of synthetic dyes and emulsifiers. Contains no chromium or heavy metal components.

## **Technic data sheet:**

### **LEED CREDIT CONSIDERATIONS: Materials and Resources:**

**MR Credit 1.2**-Building re-use. Indoor Environmental Quality

**EQ Credits 4.2:** Low emitting materials (VOC < 25 g/L).

**MR Credits 5.2:** Regional materials- Greater than 20% extracted, processed and manufactured regionally at production location:51598 Friesenhagen –Germany

**MR Credits 6.2:** Rapidly renewable materials

**TEST AREA:** Always test **ECOGUARD™ Color Infusion** on a small area of the surface to be treated before overall application to determine color suitability and results. Use a test location that is out of the way and not in the main area of the final area.

**SITE PREPARATION:** It is recommended to apply **ECOGUARD™ Color Infusion** at no more than the 100 Grit surface profile. Ensure a clean surface, with minimal dust contamination. It is highly recommended to both vacuum and damp mop the surface or a single pass with an auto scrubbing machine using a clean rinse and squeegee application. Since

**Color Infusion** is a water based dye solution, it is not necessary for the floor to be completely dry before proceeding. A slightly damp floor surface will not affect the depth of penetration or color.

### **APPLICATION:**

**ECOGUARD™ Color Infusion** is a concentrate, which is **diluted 1:7 parts by volume** with potable water. **Color Infusion** is to be applied by spray only, using a conical fine spray tip equipped pump-up sprayer or sprayed using a standard fan tip and spread by microfiber or defibrillated nylon broom.

Apply at a rate of **40 – 60 m<sup>2</sup> per Liter**. Use rayon micro-fiber applicators or a defibrillated nylon broom to spread the stain evenly into the concrete surface if desired after allowing 15-20 minutes of settling. Apply in a circular motion, allowing for approx. 20% overlap to avoid uneven coverage. Allow 35-45 minutes dry time. Use a high speed buffing machine with medium aggressive buffing pads (Blue/Green) to obtain optimal removal of excess stain, and lock in the color into the substrate.

**Color Infusion** is a low odor, easily sprayed dye solution, with excellent color penetration and water resistance.

**NOTE:** To increase color depth and hue, you may reduce dilution ratio to 1 to 4 with potable water.

## **Technic data sheet:**

### **CLEAN-UP:**

While the *Ecoguard Color Infusion* is still wet, rinse with water only. Use cleaning solvents to promptly remove any remaining film residue, as the **ECOGUARD™ Color Infusion** is water insoluble once dry.

### **COVERAGE:**

Approximately 40 – 60 m<sup>2</sup> per Liter

### **CAUTIONS:**

Apply when the surface temperature is above 4.5°C and rising. The use of a polyester or rayon fiber applicator is recommended to achieve deeper and even color spread. **NEVER apply using cotton mops.**

**ECOGUARD™ Color Infusion** is not suitable for concrete subject to chemical, caustic or solvent exposure or containment, unless properly sealed with a chemical resistant urethane or epoxy. It is not recommended for use in exterior applications due to UV instability of synthetic dyes.

**ECOGUARD™ Color Infusion** is to be applied on concrete surfaces that are porous and prior to the application of silicate densifiers.

### **GHS HAZARD RATINGS: WARNING :**



**Irritant- Respiratory Tract Irritation.**

**FIRST AID: Refer to product S.D.S. (Safety Data Sheet) for complete health and safety information before using this product.**

### **WARNINGS & SAFETY INFORMATION:**

*Ecoguard Color Infusion* is relatively safe to use. Keep containers closed. Avoid ingestion, skin and eye contact and inhalation of the spray mist. Keep away from food and drink. Wash hands thoroughly after use and before eating. Do not take internally.

**FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.**

### **H.M.I.S. CODES (Hazardous Materials Identification System):**

**HEALTH = 1, FLAMMABILITY = 0, REACTIVITY = 0, PERS. PROT = C**

## **Technic data sheet:**

**PACKAGING:** 1 Liter – 5 Liter - 25 Liter – 120 Liter

**STORAGE:** 15 ° bis 30 ° Celsius  
Keep from freezing. If frozen, allow to thaw to room temperature and stir before using.

**SHELF LIFE:** 2 years properly stored.

**WARRANTY:** isi GmbH Germany solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of isi, no other representations or statements made by isi or its representatives, in writing or orally, shall alter this warranty.

**isi MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME.**

If any isi product fails to conform with this warranty, isi will replace the product at no cost to Buyer.

**Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.** isi does not authorize anyone on its behalf to make any written or oral statements which in any way alter isi installation information or instructions in its product literature or on its packaging labels.

**isi explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by or through isi. isi has no control over isi application standards adherence, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any isi products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of isi's products for the Buyer's intended purposes.**

Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind.

**Status 01/2017**