

### DESCRIPTION

Hërmetix is a colloidal silica based densifier for concrete polishing systems that transforms ordinary concrete surfaces into exceptionally durable, attractive, colorful floors. The concrete surfaces benefit from the Hërmetix densifier, displaying an attractive floor finish with exceptional durability. It is recommended for concrete floors where beauty, durability and use of environmentally friendly materials are important. Concrete surfaces treated with Hërmetix densifier achieve stunning visual and functional rejuvenation transforming them to colorful and expressive wear surfaces.

The colloidal silica in Hërmetix is suspended in an aqueous base and stabilized electrostatically. It is a concentrated mono-dispersion with particle sizes ranging from approximately 5 to 100nm in diameter. The very-very fine particle size distribution in Hërmetix allows for rapid surface penetration and the irregular variations in the surface area make rapid bonding with calcium hydroxide [Ca(OH)<sub>2</sub>] in the concrete possible.

### ADVANTAGES

- Hërmetix has more reactive sites, so it goes to work quickly, within 1-2 minutes
- No brooming or working the material required
- It penetrates deeply and reacts more efficiently.
- No overnight curing required
- No caustic gel to scrub off; nothing to dispose off; the only residue may be a small amount of safe powder that can be vacuumed off during polishing phase
- No whitening potential
- Non-hazardous; zero VOC
- Low pH (~8.7)...safe to handle
- Does not trap free, migrating moisture in concrete slab
- Increases floor reflectivity, helping to reduce facility lighting and energy needs
- Fills the pore structure of the surface layer, making it denser and harder
- Increases stain and abrasion resistance

### TYPICAL APPLICATION AREAS

- Big box stores
- Warehouses / Distribution centers
- Shopping malls / Retail stores
- Factory floors
- Public buildings, schools
- Government and Private office buildings
- Residences - Lofts, studios, contemporary living spaces

### SUBSTRATE REQUIREMENTS

- Remove all sealers, paints, wax, coatings, floor coverings and their mastics as well as any surface contaminants such as oil or food spills
- Non-moving cracks and control joints must be routed, cleaned and filled with Përdure EJF
- Concrete surfaces to be polished require a hard steel trowel finish (3 passes) during placement
- Minimum compressive strength of concrete 3500psi

### COMPOSITION

- Amorphous silicon dioxide (SiO<sub>2</sub>)

### COLOR SELECTION

- Hërmetix is available in CLEAR formulations only

### INSTALLATION

- Use 1 part Hërmetix to 4 parts of potable water
- Apply with pump sprayer to saturation, a maximum rate of 500ft<sup>2</sup> per gallon
- Let floor dry, approximately one hour, and commence with polishing/burnishing process

For complete installation instructions, contact your *Düraamen* representative.

*Corporate office*

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## CLEAN UP

Clean skin with soap and water. Consult MSDS for safety and health precautions.

## COVERAGE

Hërmetix yields 500 ft<sup>2</sup> per gallon.

## AVAILABILITY

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

## MAINTENANCE

After completing the application of Hërmetix the installer should provide the owner with maintenance instructions. The floor treated with Hërmetix needs to be cleaned regularly Hërmetix cleaner. Frequent and continued use of this treatment ensures satisfactory long-term performance. Good house keeping practices, such as regular mechanical sweeping, scrubbing and wet mopping will increase the life expectancy of the flooring surface.

## TECHNICAL SERVICE

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

## WARRANTY

Düraamen Building & Allied 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.

## TECHNICAL DATA

Flash point	None
Odor	None
Film forming	None
Volatile Content	Organic 0 gm/L
Reflectance	Up to 35%
Weathering	No adverse effect to ultraviolet light