

CLEAR, BREATHABLE PROTECTION



U.S. Army Reserve Center
U.S. Army Corps of Engineers
Sturtevant, WI
Thomas Mason Painting Contractor



Fire Station - Pleasant Hill, PA
Contractor - Tri-State Waterproofing
Photo credit: T.E. Auel



Kaufmann's Dept. Store, Westmoreland Mall
Greensburg, PA Photo credit: T.E. Auel

Diedrich Technologies Inc., is a major manufacturer in the industry since 1971, with a full line of Restoration, New Masonry, Remedial Cleaning Products and Water Repellents. Nashville's Ryman Auditorium (Grand Ole Opry) and Camden Yards B&O Warehouse, part of Baltimore Oriole Ballpark are two of the more notable projects that Diedrich products have been specified and used on.

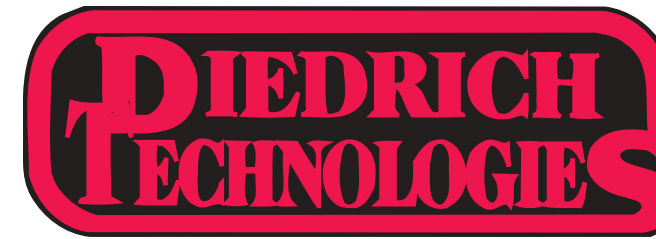
WHY USE DIEDRICH TECHNOLOGIES?

The advantages of using Diedrich Technologies are: personalized service extended to large and small customers alike. Products that encompass total market needs, historical, lead abatement, commercial, industrial and residential. Diedrich provides knowledgeable representation nationwide to assist in product selection, test applications, and jobsite specifications. Diedrich Technologies is constantly introducing new products that meet and exceed market needs and demands. Diedrich Technologies stands behind their products and strives to meet customer requirements.



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Inc.

**DIEDRICH
OMEGASEAL 333
SERIES
WATER-REPELLENTS**

PROTECT THE SPIRIT OF THE BUILDING

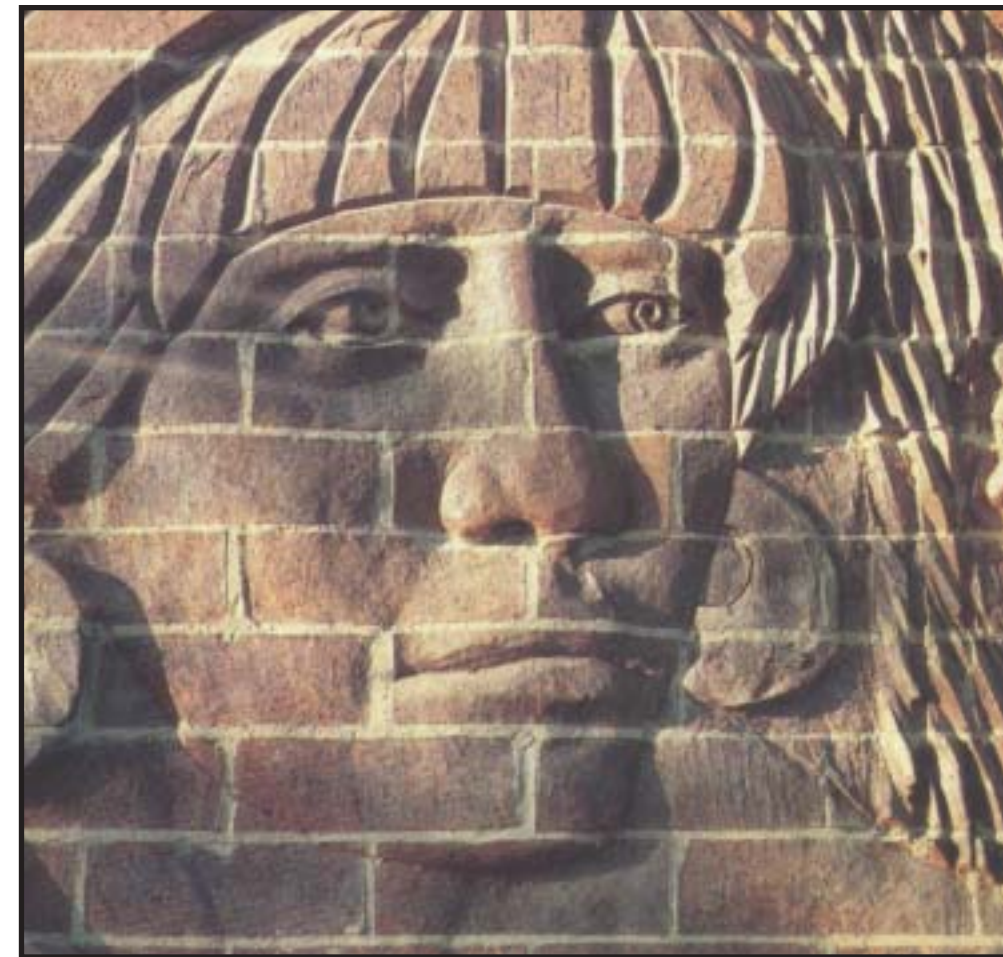


Photo credit: Mara Smith © Architectural Murals, Seattle, WA

ALL DIEDRICH WATER REPELLENTS ARE ACCEPTABLE FOR USE WITHIN "EPA-VOC EXCEEDANCE GUIDELINES".

**COLD WEATHER APPLICATION
ODORLESS SOLVENT CARRIER
EXCEPTIONAL ON FLUTED AND SPLIT FACED BLOCK
333-A & 333-L VOC COMPLIANT
ANTI-GRAFFITI & WATER-REPELLENT PROTECTION**

DIEDRICH OMEGASEAL 333 "S-E-A-L" ODORLESS WATER REPELLENTS

CLEAR – NON-YELLOWING – BREATHABLE
BRICK AND STONE SEALER IN LIGHTER SOLIDS
FLUTED AND SPLIT FACE BLOCK SEALER IN HEAVY DUTY SOLIDS
YEAR ROUND APPLICATION AT 20°F AND ABOVE
COLD WEATHER – ANTI-GRAFFITANT

1. PRODUCT NAME:
DIEDRICH OMEGASEAL
333-S 6%, 333-E 10%,
333-A 15%, 333-L 20%
ODORLESS WATER REPELLENTS

2. MANUFACTURER:
Diedrich Technologies Inc.
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3. PRODUCT DESCRIPTION:
Diedrich OMEGASEAL 333 series of water repellents provides hydrophobic protection to masonry surfaces through the formation of a semipermeable membrane. This flexible membrane remains intact through thermal movement of the masonry, rejects water in the solid state and allows for moisture vapor transmission, it breathes. The unique blend of inorganic silicone polymers provides maximum resistance to destruction from ultraviolet light and acid rain. OMEGASEAL 333 series products can be applied to clay brick, concrete brick, precast & site-cast vertical and horizontal concrete, interlocking pavers, most natural stone, concrete block, hollow core split faced block, fluted block, light weight block and wood.

Diedrich OMEGASEAL 333 Water Repellents are available in formulations that meet VOC requirements in California, New Jersey and New York. OMEGASEAL 333 products **ODORLESS SOLVENT CARRIERS** make them ideal for application to occupied buildings, such as apartment or condominium complexes, schools, hospitals or office buildings, etc.

Limitations: Do not apply to a wet, damp or dirty surface. Do not apply when rain is forecast within 24 hours. Do not apply to any polished masonry surface. OMEGASEAL 333 products are not suitable for below grade applications.

4. PRECAUTIONS:
A test area of the job surface **MUST** be test coated and approved before beginning the application.

Adjacent vegetation should be protected by covering to protect it in the event of overspray and/or excessive runoff. Protect all non-masonry surfaces

OMEGASEAL 333 products will not etch glass.

Asphalt, coal tar based coating, asphalt floor tiles or shingles should be protected from contact with OMEGASEAL 333 products due to the petroleum distillate carrier.

All tuckpointing, caulking and expansion joint sealing should be done before application of 333 OMEGASEAL products, and allowed to cure per manufacturer's instruction.

To paint over 333 OMEGASEAL products, only oil base paint is acceptable. Latex paints will not bond to surfaces where 333 OMEGASEAL has been applied. Slight to moderate darkening of block. 333 OMEGASEAL can be applied over color-stained masonry.

5. TEST AREA:

Before beginning the job, it is recommended but not required to use a rilm tube to show moisture prior to any sealers being tried or tested. A test application of 333 must be conducted to determine the suitability and coverage. A test area must be conducted on each type of masonry or concrete and be indicative of the entire project.

6. APPLICATION:

OMEGASEAL 333 water repellents can be applied by spray, roller or brush, with low pressure (40-50 psi) spray as the preferred method. The best performance is obtained by saturation of the surface with little run down of the liquid. Certain highly absorbent masonry surfaces may require two treatments to resist strong wind driven rain. When applying two coats, allow 24 hours between applications.

The use of rollers or brushes may result in some areas not receiving sufficient material to form an effective membrane. If it is necessary to apply OMEGASEAL 333 in this manner a crisscross or north/south and east/west method of application should be used. Use of pump-up sprayers is acceptable.

OMEGASEAL 333 may be successfully APPLIED WITH TEMPERATURES AS LOW AS 20°F. Most other water repellents require that the surface and ambient temperatures be at or above 40°F and rising.

During application protect all non-masonry surfaces from contact with

OMEGASEAL 333. Equipment containers and over spray may be cleaned with mineral spirits before the surface dries.

PRODUCT SELECTION:

333-S 6% - Clay Brick, Concrete Brick, Precast & Site-cast Concrete, Stucco, Most Natural Stone. Square footage approximately 100-200 sq. ft. per gallon each application.

333-E 10% - Horizontal Concrete, Interlocking Pavers, Concrete Block, Highly Porous Natural Stone, L & S Stone. Square footage approximately 75-150 sq. ft. per gallon each application.

333-A 15% - Hollow Core Split Fluted Block, Heavy Duty Weight Block (Two Applications Should Be Required For Either Surface). Square footage approximately 50-100 sq. ft. per gallon each application.

333-L 20% - Extremely Porous Block (Hollow Core Split Faced) With Or Without Integral Waterproofing. Square footage approximately 50-100 sq. ft. per gallon each application. **2 COATS REQUIRED MINIMUM FOR WARRANTY CONSIDERATION.**

ANTI-GRAFFITI SYSTEM:

The OMEGASEAL 333 System functions very well for graffiti protection. The membrane protects against penetration of most common materials used by vandals. 1 or 2 full flood coats of 333-E, -A or -L (Not 333-S) for full repellency and to serve as an anti-graffitiant. Water splash test surface for complete water beading. Any water absorption means the surface is not totally graffiti resistant. When a protected surface has been attacked, either Diedrich 505 Paint Stripper or Diedrich 606 Paint Stripper, assisted by high pressure water, will remove the offensive markings. Multiple removals with the Diedrich 505 Stripper may be possible without reapplication. When the area begins to show signs of water absorption, it is appropriate to reapply the OMEGASEAL 333.

Graffiti that does not react to the Diedrich 505 Stripper, may be removed with Diedrich 606 Stripper. The Diedrich 606 Stripper will remove graffiti as well as the protective membrane. This is particularly advantageous when removing markings from concrete block or any rough surface that may leave a graffiti "ghost" in the surface. As soon as the masonry is dry,

it is ready for reapplication for future protection. The ability to apply the OMEGASEAL 333 System in cold weather makes this an ideal product for schools and other masonry structures in northern climates.

For removal of Magic Marker, contact Diedrich Technologies Inc., for instructions.

7. WARRANTY:

The following warranty is made by Diedrich Technologies, Inc., ("Manufacturer") in lieu of all others, with respect to this product, express or implied, including without limitation, the implied warranties of Merchantability or Fitness For Particular Purpose: This product is warranted to be free from defects of manufacture and materials when applied in

accordance with the Manufacturer's instructions and specification. Suspected defects must be communicated in writing to the Manufacturer within thirty (30) days after delivery. Manufacturer's only obligation in the event of a breach of this warranty shall be to replace such quantity of the product as is proven to be defective; excluding liability for any injuries, loss or damage, direct or indirect, incidental, consequential or resultant, whether due to breach of warranty or negligence, arising out of the use of or the inability to use the product. This warranty will not apply to moisture penetration through untreated areas, moisture penetration or damage caused by structural defects, cracks or expansion and contraction, or any other surface cracks, voids, slits or openings, faulty construction, severely deteriorated

stone and severely abraded brick or other causes over which the Manufacturer or application contractor have no control.

NOTE: Contact your Diedrich Products Representative/Home Office for information, requirements and documentation concerning eligibility for a warranty certificate for the 5 year, and special 10 year material warranty. **A DOCUMENTED TEST SAMPLE IS REQUIRED FOR CONSIDERATION ON THIS WARRANTY.**

All data and instructions contained in this spec sheet are intended for use by experienced contractors or professional building cleaners.

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Evaluate the permeability of the water repellent on the actual masonry using a device developed by the International Union of Testing and Research Laboratories for Materials and Structures (RILEM). The RILEM device is a vertical plastic tube graduated in cubic centimeters.

To perform the test, you adhere the RILEM tube to the masonry wall with putty. Next pour water into the open end of the tube, filling it to the zero mark. The full tube applies a hydrostatic pressure equal to the pressure created by an 88.5-mph wind. To determine the permeability of the water repellent, read the drop in water level in the tube at 5, 10, 15, 20, 30, and 60 minutes. Plot these results on a graph comparing the volume of water absorbed (in cubic centimeters) to the time (in minutes). The slower the water penetration, the better the water repellent.