For over 20 years, Armorcoat has been committed to manufacturing and installing the highest quality, longest lasting floor coating systems for our customers at an unmatched value.

Our commitment to this level of quality and customer satisfaction is the reason why Fortune 500 companies from coast to coast walk across Armorcoat floors everyday.

From High Performance floor coatings to our award winning customer service, protect and beautify your investment with Armorcoat.
From large scale projects to specialized needs, Armorcoat provides High Performance coating solutions to accomplish any flooring goal.

**Commercial and Manufacturing**
- Auto Dealerships
- Retail Outlets
- Food and Beverage
- Factories
- Assembly Lines
- Machine Shops

**Institutional and Warehouse**
- Schools / Universities
- Police/Fire Stations
- Hospitals/ Clinics
- Warehouse Storage
- High Traffic Areas
- Loading Docks

**Specialized Use**
- Aviation Hangars
- Chemical Storage
- Race Team Facilities
- Marinas
- Military
- Residential Garage

Armorcoat High Performance floor coatings are a superior and cost effective way to protect new concrete from dirt, dust, cracking, spills and damage as well as restoring aged and deteriorated existing floors. Replacing an aging, stained concrete floor is an expensive solution. After years of use and neglect, porous concrete floors often become contaminated with oil, paint and other chemicals leading to unsafe, unsightly and even hazardous surfaces. A High Performance coating by Armorcoat will protect your investment and beautify your floor.
With over 74 different types of hardeners, epoxies and urethanes, Armorcoat can customize a solution that is specific to your needs.

**Armorplate™ Lifetime Warranty**  
Hardener/Densifier/Sealer  
Penetrates, closes the pores and seals concrete surfaces. Strengthens concrete by up to 50% over fully cured, unprotected concrete. Lifetime Warranty against dusting. Armorplate also eliminates shrinkage and cracking.

**Armorcoat DFS™ Decorative Flake System**  
Proprietary deep penetrating epoxy basecoat, broadcast application of decorative color flakes, followed by a clear, chemical resistant urethane topcoat.

**Armorcoat DQS™ Decorative Quartz System**  
100% solids epoxy basecoat, the addition of Armorquartz colored granules, chemical resistant epoxy sealcoat, clear chemical resistant urethane topcoat.

**Armorcoat HP™ High Performance System**  
Proprietary deep penetrating epoxy basecoat, followed by an application of Armorcoat's HP clear or colored aliphatic urethane topcoat.

**Armorcoat HP Highbuild™ High Performance System**  
Armorcoat's HP System with the addition of an intermediate coat, 100% solids high build epoxy. Perfect for spalled or eroded floors.

**Armorcoat ERS™ Epoxy Resurfacing System**  
Epoxy resurfacer formulated with a 100% solids epoxy blended with aggregate for concrete floors requiring 1/4 inch restoration or greater.

Thorough substrate preparation is essential to the proper installation of all Armorcoat systems.

Benefits you can expect from High Performance Armorcoat floor coating systems:

- Safety (slip resistance)
- Stain Resistance
- Abrasion resistance
- UV Stability
- Chemical Resistance
- Increased Light Reflectivity
- VOC Compliant

A sampling of Armorcoat customers:

Ford, General Motors, Lexus, Toyota,
Coca Cola, Budweiser, Frito Lay,
Costco, Sams Club, PetsMart,
Caterpillar, John Deere, Cleveland Clinic

National Locations:
Atlanta, Georgia - Cleveland, Ohio

1-888-592-7667
1-888-59-Armor
www_armorcoat_com
ArmorPlate™
Armorpaint is a single component, water-based sodium silicate solution designed to cure, densify and impart water repellency to a wide variety of concrete surfaces. It reacts with moisture and carbon dioxide to form an insoluble, water-resistant bond with the floor itself. Armorpaint imparts a satin to high gloss finish that requires no maintenance and prevents concrete dusting for the lifetime of the concrete floor.

Once your floor is protected with Armorpaint, your investment is protected for life!

Benefits:
- Permanently prevents concrete substrate from dusting with Lifetime Warranty
- Creates a surface that is up to 50% harder than untreated concrete
- Seals concrete substrate against moisture damage
- Will not discolor or stain under normal use
- Can be used as a curing agent to help reduce cracking and shrinkage
- “Best Price Guarantee” (ask for details)

Recommended Uses:
- Manufacturing facilities
- Commercial / Industrial warehouse floors

A Sampling of Armorpaint Customers:
Coca Cola, Ford, GM, Costco, Budweiser, PetsMart and more....

1-888-592-7667
1-888-59-Armor
www.armorcoat.com
**BENEFITS OF USE:**
Concrete floors, warehouses, manufacturing areas:
* Increases durability by improving resistance to freeze thaw effects (horizontal surfaces that bear traffic will need to be retreated more often to maintain optimum performance)
* Improves weathering and reduces efflorescence of natural stone, precast stone and ceramics.
* Protects and fortifies concrete as it seals against moisture damage.
* Product will not discolor or stain under normal use.
* Application of the ARMORPLATE will eliminate dusting and increase concrete life.

**VOLATILE ORGANIC CONTENT:**
Water based material with essentially no VOC's.

**COLOR:**
clear to very opaque color.

**RECOMMENDED FILM THICKNESS:**
Apply until surface is saturated without puddles.

**COVERAGE PER GALLON:**
When the surface is fully saturated, coverage will depend on the absorptivity of the substrate resulting in 100 to 400 square feet per gallon coverage.

**PACKAGING INFORMATION:**
This product is available in 1 gallon, 5 gallon and 55 gallon containers. (approximately 8.5 pounds/gallon)

**SHELF LIFE:**
Six months in unopened containers when stored between 50-80 degrees F.

**FINISH CHARACTERISTICS:**
This product does not change the overall appearance of the substrate. After the material is applied and allowed to dry for 24 hours, it will not be readily apparent that the application has occurred, except the concrete will be fortified and exhibit excellent water repellency.

**ABRASION RESISTANCE:**
The application of this product will increase the abrasion resistance of most substrates. Results will vary according to substrate type.

**ADHESION:**
Because this material becomes an integral part of the surface that is coated and does not form an impermeable barrier, delamination does not occur.

**DOT CLASSIFICATION:**
"Corrosive liquid N.O.S., 8 UN1760, PGII"

**VISCOITY:**
Less than 25 cps

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**CURE SCHEDULE:**
(70°)
Allow the material to dry for a 24 hour period of time to obtain the maximum benefits of the application. This allows the material to react with available CO2 and moisture and become an integral part of the substrate.

**APPLICATION TEMPERATURE:**
55-90 degrees F.

**PERFORMANCE OF ARMORPLATE**

<table>
<thead>
<tr>
<th>TYPE OF MATERIAL</th>
<th>% ABSORPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>shale</td>
<td>0.02</td>
</tr>
<tr>
<td>quarry stone</td>
<td>0.49</td>
</tr>
<tr>
<td>quarry stone (untreated)</td>
<td>2.55</td>
</tr>
<tr>
<td>white kaolin</td>
<td>0.40</td>
</tr>
<tr>
<td>white kaolin (untreated)</td>
<td>1.20</td>
</tr>
<tr>
<td>streator</td>
<td>0.30</td>
</tr>
<tr>
<td>streator (untreated)</td>
<td>7.60</td>
</tr>
</tbody>
</table>

**OTHER VARIOUS SUBSTRATES**

<table>
<thead>
<tr>
<th>TYPE OF MATERIAL</th>
<th>% WATER EXCLUSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>limestone</td>
<td>67.0</td>
</tr>
<tr>
<td>sandstone</td>
<td>79.5</td>
</tr>
<tr>
<td>concrete block</td>
<td>75.5</td>
</tr>
</tbody>
</table>

**PRIMER:**
None required. If applying multiple coats, a wet edge should be maintained. If the ARMORPLATE dries between applications, water spotting may result.

**TOPCOAT:**
None required. Multiple coats of this product are compatible (see information under primer).

**LIMITATIONS:**
* The surface can be damp prior to application but there should be no standing water or puddles.
* Remove all overspray before drying from all glass or metal surfaces as this product can etch the surface.
* Under certain conditions, a precipitate of sodium carbonate may be deposited as the water repellent dries. See application procedures on the reverse side for more details. Always apply a test patch to determine the suitability before using.
* Physical properties listed on this technical data sheet are typical values and not specifications.
* See separate Application Sheet for details for application instructions.
* See separate Warranty Sheet for details and limitations on warranty.
Armorcoat DFS™


Armorcoat DFS™ consists of an epoxy basecoat, your choice of decorative color flakes, followed by Armorcoat's clear urethane topcoat. This decorative system is available in over 100 different color combinations and four different chip sizes to give your floor a unique aesthetic look. A quartz alternative to the decorative flakes is also available for an ultra-durable, high-end finish.

Armorcoat DFS. A cost-effective and extremely durable decorative coating system.

Benefits:
- Creates a beautiful and durable decorative finish
- Chemical resistant
- UV stable
- Stain resistant
- Easy cleanup
- Best Price Guarantee (ask for details)

Recommended Uses:
- Showroom floors
- Commercial floors
- Marinas
- Supermarkets
- Hospitals/Institutional floors
- Fire stations
- Garage floors

A Sampling of Armorplate Customers:
Costco, Sam's Club, Coca Cola, Budweiser, PetSmart and more...

Since 1988
High Performance Concrete Coatings

1-888-592-7667
1-888-59-Armor
www.armorcoat.com
PRODUCT DESCRIPTION:
Armorcoat DFS is a 3 step decorative color flake system that exhibits excellent characteristics for abrasion resistance, chemical resistance, flexibility, weathering and UV stability.

RECOMMENDED FOR:
Institutional uses, auto service centers, warehouses, computer rooms, laboratories, air craft hangars, cafeteria, garage floors, indoor or outdoor service and chemical exposure areas.

SOLIDS BY WEIGHT:
Epoxy primer 100%, urethane topcoat 58%

SOLIDS BY VOLUME:
Epoxy primer 100%, urethane topcoat 54%

VOLATILE ORGANIC CONTENT:
part A = 4.3#/gallon (colors), 4.5#/gallon (clear) part B = 2.20#/gallon

COLORS AVAILABLE:
white, off white, light gray, medium gray, dark gray, charcoal gray, tile red, brown, tan, beige, light blue, blue, green, clear and special colors upon request.

RECOMMENDED FILM THICKNESS:
20-40 mils wet thickness.

COVERAGE PER GALLON:
Epoxy primer: 125-275 s/f @ 8-20 mil wet thickness.
Urethane topcoat: 325-500 s/f @ 5-6 mils wet thickness

MIX RATIO:
2 parts A to 1 part B by volume (Urethane topcoat) Epoxy primer varies by application.

PACKAGING INFORMATION:
Epoxy primer available in 2-10 gallon kits, Urethane topcoat: 3 gallon and 15 gallon kits: 3 gal kit = 2 gallons part A (8.85 #/gal-clear) and 1 gallon part B (~4.5#/gal), Weights and volumes approximate.

SHELF LIFE:
1 Year in unopened containers.

FINISH CHARACTERISTICS:
Semi-gloss (60 at 60 degrees © Erichsen glossmeter)

ABRASION RESISTANCE:
Taber abraser CS-17 calibrater wheel with 1000 gram total load and 500 cycles = 21.0 mg loss

IMPACT RESISTANCE:
Gardner impact, direct & reverse = 160 in.lb. (passed)

HARDNESS:
Shore D = 72

FLEXIBILITY:
Cracks on a 1/8" mandrel

ADHESION:
425 psi @ elcometer (concrete failure, no delamination)

CURE SCHEDULE:
pot life (1 1/2 gallon volume)........................3-5 hours @ 70°F
tack free (dry to touch)..........................2-4 hours @ 70°F
recoat or topcoat..................................4-6 hours @ 70°F
light foot traffic..................................14-24 hours @ 70°F
full cure (heavy traffic)..........................3-5 days @ 70°F

APPLICATION TEMPERATURE:
45-90 Degrees F

VISCOITY:
mixed = 450-650 cps (typical, most colors)

CHEMICAL RESISTANCE:

<table>
<thead>
<tr>
<th>Reagent</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
<td>C</td>
</tr>
<tr>
<td>Xylene</td>
<td>B</td>
</tr>
<tr>
<td>MEK</td>
<td>D</td>
</tr>
<tr>
<td>Methyl alcohol</td>
<td>E</td>
</tr>
<tr>
<td>Gasoline</td>
<td>D</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>E</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>D</td>
</tr>
<tr>
<td>Sulfuric acid</td>
<td>C</td>
</tr>
<tr>
<td>Hydrochloric acid</td>
<td>C</td>
</tr>
<tr>
<td>Nitric acid</td>
<td>C</td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td>D</td>
</tr>
</tbody>
</table>

Rating key: A: not recommended, B: 2 hour term splash spill, C: 8 hour term splash spill, D: 72 hour immersion, E: long term immersion.

NOTE: extensive chemical resistance information is available through your sales representative.

DOT CLASSIFICATION:
Part A "FLAMMABLE LIQUID N.O.S. 3, UN1993, PGII"
Part B "FLAMMABLE LIQUID N.O.S. 3, UN1993, PGII"

LIMITATIONS:
*Color may be affected by high humidity, low temperature.
*Chemical exposure.
*For best results, apply with a 318" nap roller.
*Slab on grade requires moisture barrier.
*Substrate temperature must be 5°F above dew point.
*All new concrete must be cured for at least 30 days prior to application.
*Physical properties are typical values and not specifications.
*Light or bright colors (white, safety yellow, etc.) may require multiple coats or a suitable color coordinated primer to achieve satisfactory hide.
*Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job.
*See separate guide for application instructions
*See separate warranty sheet for terms and limitation.
Armorcoat HP™


Armorcoat HP™ is a two component, high performance concrete coating system. This system consists of an epoxy base coat with a UV stable, chemical resistant aliphatic urethane topcoat. Our proprietary high solids epoxies penetrate the concrete substrate and provide a superior bond, while the urethane topcoat provides extreme chemical and abrasion resistance. Armorcoat HP is also available in a high build, three coat system that is perfect for restorative applications such as eroded and aged concrete floors.

Armorplate HP. The best floor coating system available in today’s marketplace.

**Benefits:**
- Provides superior chemical resistance
- Covers unsightly cracks and stains
- Increased durability
- Best surface abrasion rating in the market
- Increased employee morale
- "Best Price Guarantee" (ask for details)

**Recommended Uses:**
- Jet hangar floors
- Manufacturing facilities
- Automobile dealerships
- Anywhere that a high gloss, chemical resistant coating is desired!

A Sampling of Armorplate Customers:
Ford, GM, Lexus, Caterpillar, John Deere and more...

High Performance Concrete Coatings

1-888-592-7667
1-888-59-Armor
www.armorcoat.com
PRODUCT DESCRIPTION:
Armorcoat HP is a two component polyester/aliphatic system that exhibits excellent characteristics for abrasion resistance, chemical resistance, flexibility, weathering and UV stability.

RECOMMENDED FOR:
Auto service centers, warehouses, computer rooms, laboratories, aircraft hangars, cafeterias, manufacturing facilities, chemical exposure areas.

SOLIDS BY WEIGHT:
Epoxy primer 100%, urethane topcoat 58%

SOLIDS BY VOLUME:
Epoxy primer 100%, urethane topcoat 54%

VOLATILE ORGANIC CONTENT:
part A = 4.3#/gallon (colors); 4.5#/gallon (clear); part B = 2.20#/gallon

COLORS AVAILABLE:
white, off-white, light gray, medium gray, dark gray, charcoal gray, tile red, brown, tan, beige, light blue, light green, clear and special colors upon request.

RECOMMENDED FILM THICKNESS:
12-60 mils wet thickness.

COVERAGE PER GALLON:
Epoxy primer: 125-275 s/f @ 8-20 mil wet thickness.
Urethane topcoat: 325-500 s/f @ 5-6 mils wet thickness.

MIX RATIO:
2 parts A to 1 part B by volume (Urethane topcoat/Epoxy primer varies by application).

PACKAGING INFORMATION:
Epoxy primer available in 2-10 gallon kits. Urethane topcoat: 3 gallon and 15 gallon kits: 3 gal kit = 2 gallons part A (8.85 #/gal-clear) and 1 gallon part B = (1.5#/gal). Weights and volumes approximate.

SHELF LIFE: 1 Year in unopened containers.

FINISH CHARACTERISTICS:
semi-gloss (<30 at 60 degrees @ Erichsen glossmeter)

ABRASION RESISTANCE:
Taber abraser CS-17 calibre wheel with 1000 gram total load and 500 cycles = 4.0 mg loss.

IMPACT RESISTANCE:
Gardner Impact, direct & reverse = 160 in.lb. (passed)

HARDNESS: Shore D = 72

FLEXIBILITY: Cracks on a 1/8" mandrel.

ADHESION:
425 psi @ elcometer (concrete failure, no delamination)

CURE SCHEDULE:
pot life (1.5 galm volume) = 3-5 hours @ 70°F
Tack free (dry to touch) = 24 hours @ 70°F
Recoat or topcoat = 4-8 hours @ 70°F
Light foot traffic = 14-24 hours @ 70°F
Full cure (heavy traffic) = 3-5 days @ 70°F

APPLICATION TEMPERATURE: 45-90 Degrees F

VISCOSITY: mixed = 450-650 cps (typical, most colors)

CHEMICAL RESISTANCE:

REAGENT:
typically:
- acetic acid 5%
- xylene
- MEK
- methyl alcohol
- gasoline
- 10% sodium hydroxide
- 50% sodium hydroxide
- 10% sulfuric acid
- 10% hydrochloric acid
- 20% nitric acid
- ethylene glycol

Rating Key:
A = Not recommended, B = 2 hour term splash spill, C = 8 hour term splash spill, D = 72 hour immersion, E = long term immersion.

NOTE: Extensive chemical resistance information is available through your sales representative.

DOT CLASSIFICATION:
Part A “FLAMMABLE LIQUID N.O.S., 3, UN1993, PGII”
Part B “FLAMMABLE LIQUID N.O.S., 3, UN1993, PGII”

LIMITATIONS:
- Color may be affected by high humidity, low temperatures, or chemical exposure.
- For best results, apply with a 31/2" nap roller.
- Slab on grade requires moisture barrier.
- Substrate temperature must be 5°F above dew point.
- All new concrete must be cured for at least 30 days prior to application.
- Physical properties are typical values and not specifications.
- Light or bright colors (white, safety yellow, etc.) may require multiple coats or a suitable color coordinated primer to achieve a satisfactory hide.
- Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job.
- See separate guide for application instructions.
- See separate warranty sheet for terms and limitations.