

ELLADUR™ DECO FLAKE DB

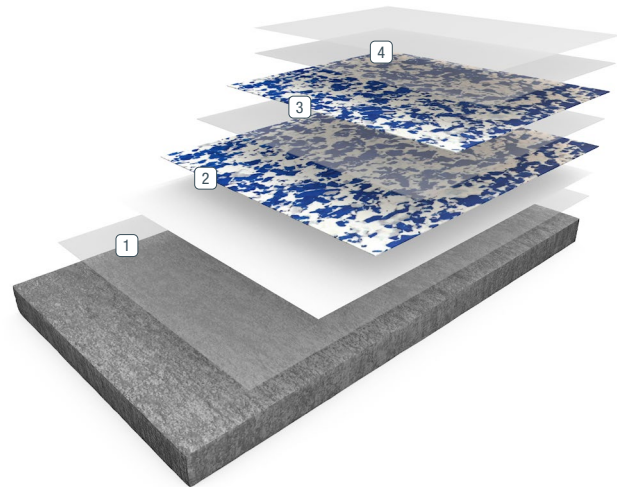
Sherwin-Williams Elladur Deco Flake DB is a mosaic pattern floor covering. Decorative vinyl chips and high gloss polyaspartic resin are applied in a double broadcast, resulting in a nominal 1/16" thick surface. The coating's innovative base chemistry provides for fast-cure installation and tough chemical-resistant protection.

BENEFITS

- Quick turnaround; minimum downtime
- Aesthetically pleasing appearance
- Limitless color options
- Seamless and sanitary
- Chemical and stain resistant
- High-gloss finish
- LEED® v4 compliant

USES

- Nursing homes and healthcare facilities
- Clean rooms and pharmaceutical facilities
- Garage and shop floors
- Locker rooms and restrooms
- Schools and cafeterias



- ① Primer
- ② 1st Basecoat and Broadcast
- ③ 2nd Basecoat and Broadcast
- ④ Grout / Seal Coat

TYPICAL PHYSICAL PROPERTIES

Color	Custom color blends available
Abrasion Resistance ASTM D4060, CS-17 Wheel, 1,000 cycles	80 mgs lost
Adhesion ASTM D4541	425 psi concrete failure
Flammability	Self-Extinguishing over concrete
Impact Resistance MIL-D-3134J	Direct, 100 inch-pounds
Resistance to Elevated Temperatures ASTM D2794	No slip or flow at required temperature of 158°F

ASTM D = Resin only

INSTALLATION

Sherwin-Williams High Performance Flooring materials shall be installed only by approved contractors. The following information is to be used as a guideline for the installation of the Elladur Deco Flake DB. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

SURFACE PREPARATION – GENERAL

Sherwin-Williams systems can be applied to a variety of substrates if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Sherwin-Williams Technical Service Department prior to starting the project. Refer to Surface Preparation Form G-1.

SURFACE PREPARATION – CONCRETE

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile depending upon system selected. Refer to Form G-1.

After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a system compatible filler. For recommendations, consult the Sherwin-Williams Technical Service Department.

TEMPERATURE

Throughout the application process, substrate temperature should be 50-90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

APPLICATION INFORMATION – SURFACE PREP PROFILE CSP 1-3

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT-CONCRETE	PACKAGING
<50 g/L	Primer	4850	2:1	200-300 sq. ft./gal	3 or 15 gals
<100 g/L	1st Basecoat	4850	2:1	150-250 sq. ft./gal	3 or 15 gals
0	1st Broadcast	6750/6755	To excess	100-200 lb./ 1,000 sq. ft.	25 or 50 lbs
<100 g/L	2nd Basecoat	4850	2:1	125-200 sq. ft./gal	3 or 15 gals
0	2nd Broadcast	6750/6755	To excess	100-200 lb./ 1,000 sq. ft.	25 or 50 lbs
<100 g/L	Grout Coat	4850	2:1	125-200 sq. ft./gal	3 or 15 gals
<50 g/L	Seal Coat	4850	2:1	150-250 sq. ft./gal	3 or 15 gals

For additional topcoat options, consult the Sherwin-Williams Topcoat Selection Guide or contact your Sherwin-Williams representative.

PRIMER — ELLADUR 4850

MIXING AND APPLICATION

1. Add 2 parts 4850A (resin) to 1 part 4850B (hardener) by volume. Mix with low-speed drill and Jiffy® blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations. Material can be reduced up to 10% with Reducer 132 or Acetone after mixing.
2. 4850 may be applied via roller or brush. Apply at a spread rate of 200-300 square feet per gallon, evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.
3. 4850 application varies upon usage.

1ST BROADCAST — ELLADUR 4850 AND DECORATIVE FLAKE

MIXING AND APPLICATION

1. Premix 4850A (resin) using a low-speed drill and Jiffy® blade. Mix for one minute until uniform, exercising caution not to introduce air into the material. Material can be reduced up to 10% with Reducer 132 or Acetone after mixing.
2. Add 2 parts 4850A (resin) to 1 part 4850B (hardener) by volume. Mix with low-speed drill and Jiffy® blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 4850 using a squeegee or trowel and back roll with a 1/4" nap roller at a spread rate of 150-250 square feet per gallon, making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.
4. Begin evenly broadcasting 6750/6755 vinyl chips into wet resin much the same as grass seed is spread. Vinyl chips should be broadcast in such a way that the chips fall lightly into resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.
5. Allow to cure for 2 hours, sweep off excess vinyl chips with a stiff-bristled broom.

2ND BROADCAST — ELLADUR 4850 AND DECORATIVE FLAKE

MIXING AND APPLICATION

1. Premix 4850A (resin) using a low-speed drill and Jiffy® blade. Mix for one minute until uniform, exercising caution not to introduce air into the material. Material can be reduced up to 10% with Reducer 132 or Acetone after mixing.
2. Add 2 parts 4850A (resin) to 1 part 4850B (hardener) by volume. Mix with low-speed drill and Jiffy® blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.

3. Apply 4850 using a squeegee or trowel and back roll with a 1/4" nap roller at a spread rate of 125-200 square feet per gallon, making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.
4. Begin evenly broadcasting 6750/6755 vinyl chips into wet resin much the same as grass seed is spread. Vinyl chips should be broadcast in such a way that the chips fall lightly into resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.
5. Allow to cure for 2 hours, sweep off excess vinyl chips with a stiff-bristled broom.

GROUT COAT — ELLADUR 4850

MIXING AND APPLICATION

1. Add 2 parts 4850A (resin) to 1 part 4850B (hardener) by volume. Mix with low-speed drill and Jiffy® blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations. Material can be reduced up to 10% with Reducer 132 or Acetone after mixing.
2. Apply 4850 using a squeegee or trowel and backroll with a 1/4" nap roller at a spread rate of 125-200 square feet per gallon making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.
3. Allow to cure per the PDS recoat windows (cure times vary depending on environmental conditions) before applying seal coat.

SEAL COAT — ELLADUR 4850

MIXING AND APPLICATION (Do not premix part B hardener.)

1. Add 2 parts 4850A (resin) to 1 part 4850B (hardener) by volume. Mix with low-speed drill and Jiffy® blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
2. Apply 4850 at a spread rate of 150-250 square feet per gallon to yield 6-10 mils WFT using a squeegee. Back roll with a non-shedding 3/8" nap roller.
3. Allow to cure for 8 hours minimum before opening to traffic. Full chemical resistance is achieved after 3 days.

CLEANUP

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

SAFETY PRECAUTIONS

Refer to the SDS before use. Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

MATERIAL STORAGE

Store materials in a temperature-controlled environment (50-90°F) and out of direct sunlight. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition.

MAINTENANCE

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Sherwin-Williams Technical Service Department.

DISCLAIMER

The information and recommendations set forth in this document are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication.

Consult www.sherwin-williams.com/resin-flooring to obtain the most recent Product Data information and Application instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams.

NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams High Performance Flooring delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe.

United States & Canada

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