

METALLIC EPOXY SYSTEM SPECIFICATION SHEET

BENEFITS:

- Create a plethora of stunning looks
- Random patterns can be achieved depending on the creativity and experience of the applicator
- Colors can be intermingled creating an unlimited color pallet
- Perfect for both residential, commercial, and retail applications

RECOMMENDED FOR:

- Offices
- Retail Areas
- Nail / Hair Salons
- Lobbies / Public Areas
- Hospitality Industry
- Bars and Restaurants
- Coffee Shops
- Garages and Basements
- Tattoo Parlors
- So Many Others

SYSTEM COMPONENTS (APPROX 16 - 36 MILS)

COAT	PRODUCT	MIX RATE	COVERAGE
PRIMER	HDWB	2:1	133 - 267 FT ² PER GALLON
BODY	CLEAR100	2:1	70 - 100 FT ² PER GALLON
WEAR	TC92	SEE TECH DATA	600 FT ² PER GALLON

MULTIPLE OPTIONS AVAILABLE FOR WEAR/TOPCOAT CHOICES



OPTIONAL TOPCOAT

Add a second "finishing coat" of urethane to your metallic epoxy floor for added protection.

TOPCOAT

We offer a variety of urethane topcoats. Ask a Spartan Epoxies coating expert for more details.

METALLIC SYSTEM

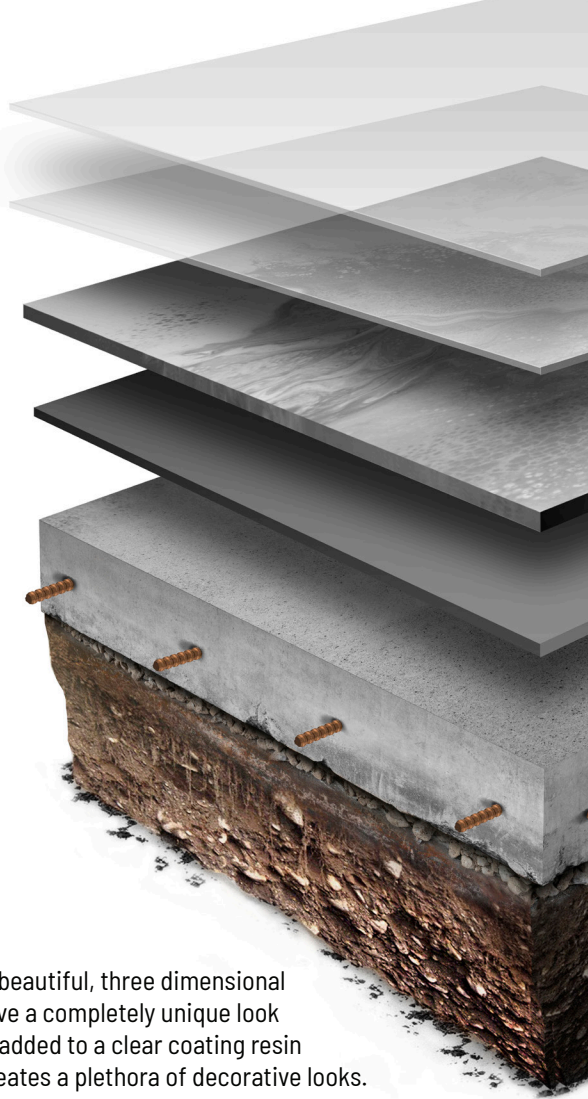
Clear100 + Metallic Pigment. 45 grams - 1 gallon clear epoxy. Over 50 Metallics to choose from.

PRIMER

HDWB is the standard primer we recommend. Upgrade to HDPRO - High Solids Epoxy if your concrete is really porous or has deep imperfections.

CONCRETE SUBSTRATE

Always prepare your concrete. New, old or a certain finish, it doesn't matter. Have a wood substrate? You can apply over it. Ask us how.



SYSTEM DESCRIPTION

Our Metallic Coating System creates a beautiful, three dimensional look that can resemble marble, and have a completely unique look of it's own. Metallic pigment powder is added to a clear coating resin binder (**typically CLEAR100**), which creates a plethora of decorative looks.

The system described is Spartan Epoxies standard system. Spartan Epoxies has several product variations available to obtain a variety of outstanding benefits and features, but not limited to, low odor or low VOC products. Consult with our expert coating team for details and recommendations that are specifically beneficial to your application.

* Refer to individual data sheets for preparation, mixing and application guidelines. As well as limitations, limitations to liability, warranty information, and common chemical resistance information.

PROPERTY	TEST METHOD	RESULTS
ADHESION	N/A	430 PSI (CONCRETE FAILURE)
FLEXURAL STRENGTH	ASTM D790	7400 PSI
COMPRESSIVE STRENGTH	ASTM D695	11,200 PSI
TENSILE STRENGTH	ASTM D638	7,600 PSI
ELONGATION		4.1%
IMPACT RESISTANCE		50 INCH LBS. DIRECT
ABRASION RESISTANCE	CS-17 1000 /500	15-20 MG
GLOSS	GLOSSMETER	20-40 MG

Spartan Epoxies also has available, several crack fillers, joint sealant and other support products. Please inquire with your sales representative for more information.



Scan this code with your phones camera to open our video on how to apply HDWB - Waterborne Epoxy Primer.

1-877-288-1952 OR WWW.SPARTANEPOXIES.COM

Pot Life: 1 to 1.5 hours

Coverage: 267 Ft² Per Gallon

Mix Ratio: 4 Parts A to 1 Part B

Application Temp: 60 to 90 Degrees F with a relative humidity of 85%.

Mixing Station: Prepare a small area for where you will be mixing your epoxy, we call this the mixing station. Ensure the area is clean, and free from debris. Lay a tarp or piece of cardboard down.

Needed for Application:

- 1.) 21" Paint Tray
- 2.) 3/8" Nap Roller Cover
- 3.) Roller Frame
- 4.) Mixing Tool
- 5.) Drill for Mixing
- 6.) Mixing Bucket
- 7.) 3" Chip Brush
- 8.) Latex Gloves
- 9.) Face Mask

HOW TO APPLY HDWB - WATERBORNE EPOXY PRIMER

1 STEP ONE: Mix Part A and Part B

Start by pouring Part B right down the middle of Part A. Using the correctly sized mixing tool and a drill - mix on slow to medium speed for 3 to 5 minutes or until epoxy is streak free. Do not lift the mixing blade in and out of the epoxy, that can cause bubbles in your epoxy. Once you mix the epoxy, you will have 1 to 1.5 hours to apply it. This is called pot life. The pot life varies depending on the environments temperature. The hotter it is, the less time you will have to apply it.

IMPORTANT TIP: If your kit doesn't have enough room to mix, simply pour into a mixing bucket with adequate space. Keep in mind, you need enough room for your mixing tool to be completely submerged into the liquid. Block windows that have excess sunlight. Clean corners, window sills, and ensure walls and ceiling is clean and free from debris.

2 STEP TWO: Dip and Roll

Pour mixed epoxy into a paint tray. Then, dip and roll with a **3/8" nap roller**. Do not get too far away from the wall, as your paint roller may not be able to get certain areas. For those areas, use your **3" chip brush**. You will not wear your spikes during the application of HDWB.

Wait 7 to 10 hours to start the next step. If you wait longer than 18 hours to apply your midcoat, you will need to degloss your primer coat with 120 grit non-directional screen.

TOPCOAT

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METALLIC SYSTEM

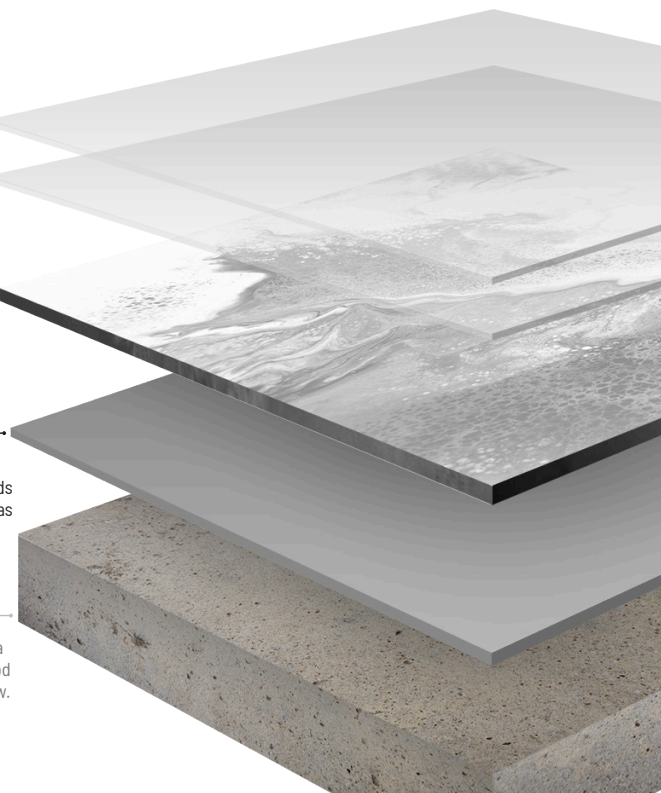
Clear100 + Metallic Pigment
Over 50 Metallics to choose from.

PRIMER

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Pot Life: None, Once mixed pour on floor
Working Time: 30 to 40 mins
Coverage: 50 to 70 Ft² Per Gallon
Mix Ratio: 2 Parts A to 1 Part B
Application Temp: 60 to 90 Degrees F with a relative humidity of 85%.

Mixing Station: Prepare a small area for where you will be mixing your epoxy, we call this the mixing station. Ensure the area is clean, and free from debris. Lay a tarp or piece of cardboard down.

Needed for Application:

- 1.) 18" to 26" Magic Squeegee
- 2.) Gunitite Spikes
- 3.) 3/16" Nap Roller Cover
- 4.) Roller Frame
- 5.) Helix Mixing Tool
- 6.) Drill for Mixing
- 7.) Mixing Bucket (for 1.5 gallon kits)
- 8.) 3" Chip Brush
- 9.) Latex Gloves
- 10.) Face Mask
- 11.) Tarp or Dropcloth

HOW TO APPLY METALLIC EPOXY / CLEAR100 + METALLIC

1 STEP ONE: Saturate Metallic Pigments
 Saturate your pigments into Part A of CLEAR100 for a minimum of 6 hours. Use a mixing stick or our helix mixing tool attached to a drill. Mix on slow speed. 4oz (45 grams) of metallic powder to 1 gallon epoxy (unless otherwise specified).

2 STEP TWO: Mixing
 Prepare your mixing station. Get your tools ready, attach poles to your squeegees and roller frames. When you and your team are ready to begin, put on your spikes, pour Part B slow and steady directly into the center of Part A. Begin mixing as you pour. Mix for 2 to 3 minutes. Prevent bubbles by completely submerging your mixer into the epoxy. Do not lift your mixer in and out as that will entrap air.

DO NOT LET MIXED EPOXY SIT IN THE BUCKET. ONCE PARTS ARE MIXED, POUR ON THE FLOOR. 50 FT² PER GALLON @ 30 MILS TO 70 SQ FT² GALLON @ 24 MILS

3 STEP THREE: APPLYING (Pouring and Spreading)
 Everyone involved should know their job. Pour immediately after mixing Part A and B of CLEAR100. Pour the entire contents on the floor. Spread with a **magic** or **kraft squeegee**. If your design requires you to back roll or swirl, then use a high quality **3/16" nap** oil based roller cover. You will have an estimated **30 minutes** of working time. Do not overwork the epoxy. Prevent squeegee marks by holding the pole low between your waist and your knee.

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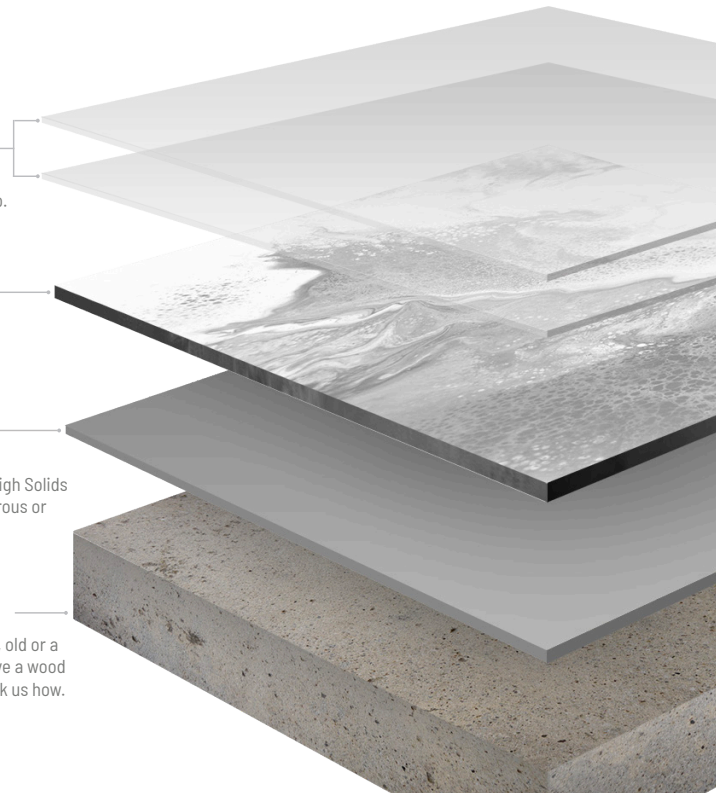
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Needed for Topcoat Application:

- 1.) 3/8" Nap Roller Cover
- 2.) Roller Frame
- 3.) Helix Mixing Tool
- 4.) Drill for Mixing
- 5.) Mixing Bucket (1.5 Gal and Smaller)
- 6.) 3" Chip Brush
- 7.) Latex Gloves
- 8.) Face Mask
- 9.) Tarp or Dropcloth

Additional Tips: If you choose to apply a Polyaspartic Urethane, you would need the respective nap roller and squeegee. See product's technical data sheet or ask your Spartan Expert.

CHOOSE THE RIGHT TOPCOAT FOR YOUR PROJECT

We offer a variety of urethanes, because every application requirement is unique. Use the guide below to help you choose the right topcoat. Talk to a Spartan Expert if help is needed. Call to talk to an expert right now: 1-877-288-1952

PRODUCT COVERAGE AND DETAILS	BENEFITS / FEATURES	CURE SCHEDULE
<p>HDI One Component Moisture Cured 400 to 800ft² gallon at 2-5 mils</p> <p>Mix Ratio: One Component</p> <p>Application Temp: 50-90°F with a relative humidity between 60-90%</p>	<ul style="list-style-type: none"> • Superior Hot Tire Protection • One component product • Superior characteristics for abrasion resistance, chemical resistance and UV stability • High Gloss Finish • Add HWS additive for anti-slip 	<p>Working Time: 1 to 1.5 hrs Recoat/Topcoat: 9 to 13 hrs Light Foot Traffic: 13 to 24 hrs</p>
<p>HPU - High Performance Urethane 320 to 500ft² gallon at 3-5 mils</p> <p>Mix Ratio: 2:1</p> <p>Application Temp: 45-90°F with a relative humidity below 90%</p>	<ul style="list-style-type: none"> • Excellent chemical resistance • Excellent abrasion resistance • Excellent flexibility / UV stability • High Gloss or Semi-Gloss Finish • Clear and Pigmented • Add HWS additive for anti-slip 	<p>Working Time: 2 to 4 hrs Recoat/Topcoat: 5 to 9 hrs Light Foot Traffic: 14 to 24 hrs</p>
<p>SPE-WBG Waterborne Urethane 200 to 320 ft² gallon at 5-8 mils</p> <p>Mix Ratio: 1:1</p> <p>Application Temp: 45-90°F with a relative humidity below 90%</p>	<ul style="list-style-type: none"> • High Gloss or Low Gloss Finish • Low VOC / Low Odor • Excellent chemical resistance • Excellent abrasion resistance • Excellent UV resistance 	<p>Working Time: 2 to 4 hours Recoat/Topcoat: 8-12 hrs Light Foot Traffic: 24 hrs</p>
<p>TC92 - High Wear Urethane 600ft² gallon at 2-3 mils thickness</p> <p>Mix Ratio: 1.8# Part A with 6.45# Part B and 3.0# Part C</p> <p>Application Temp: 50-90°F with a relative humidity below 50-90%</p>	<ul style="list-style-type: none"> • Excellent chemical resistance • Excellent abrasion resistance • Excellent flexibility • Excellent UV stability • Low VOC • Semi-Gloss Add Part C for Satin Finish • 3 Component Product • Available in Clear and Pigmented 	<p>Working Time: 1 to 2 hours Recoat/Topcoat: 6 to 10 hrs Light Foot Traffic: 14 to 24 hrs</p>

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