



PRODUCT DATA

111 South Maple Avenue, South San Francisco, CA 94080

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EV-R-ON RECREATIONAL COURT FINISH

PRODUCT CODE: 108 – XXX

PRODUCT DESCRIPTION: EV-R-ON Recreational Court Finish is an extremely resilient, adherent, water reducible acrylic coating system that is specifically formulated with inorganic, non-iron/low iron color pigments, selective silica and other high performance resins. All of which produce an **ultimate, very durable, hard, non-glare, color retentive, impact and abrasion resistant finish**, that withstands even the most adverse environmental and weather conditions, along with meeting the surface demands of a large variety of sports activities.

INTENDED USE: EV-R-ON is technically designed as a finishing system over a variety of **Asphalt, Masonry/Concrete Games Courts such as: Tennis, Basketball, Volleyball, Handball, Squash, Roller Blading/Roller Hockey, and Indoor Soccer Courts.** These coatings are also a very suitable resurfacing system for: **Asphalt/Concrete Sidewalks, Walkways, Driveways, Swimming Pool Decks/Diving Areas, Hot Tub Areas, Patios, Interior/Exterior Recreational and Sports Shower/Locker Room Facilities, Boat Decks, Handi-Cap Walkways/Ramps, Hospital Corridor Floors, Running/Jogging Pathways and Track/Bicycle Lanes** or for use in environments wherever there is a need to resurface **Architectural Asphalt and Masonry/Concrete Substrates.**

EV-R-ON is available in 4 ready-mix Court Colors, including **EV-R-ON White** that is suitable for tinting a variety of Pastel/Midtone Colors up to 4 ounces of colorant. EV-R-ON is packaged in Five and One Gallon Containers.

108 – 087
White

Tintable to Pastel/Midtone colors

108 – 144
Redwood

108 – 169
Green

108 – 171
Brown

RECOMMENDED PRIMERS

ASPHALT, MASONRY &
CONCRETE SURFACES:

Simpson Coatings W/R Epoxy Surface Conditioner #104-052C.

SURFACE PREPARATION

WARNING!

If you scrape, sand, or remove **Old Paint**, you may release **Lead Dust**. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-Approved Respirator to control **Lead Exposure**. Clean up carefully with a **HEPA Vacuum and Wet Mop**. Before you start, find out how to protect yourself and your family by contacting **The National Lead Information Hotline at 1-800-424-LEAD** or log on to www.epa.gov/lead.

SURFACE PREPARATION continued

ALL SURFACES: Must be clean, dry and free of dust, dirt, oil, grease, wax or any contamination that would adversely affect the adhesion or performance of the coating. Remove all oil, dirt, and other contaminants by cleaning with a non-V.O.C. regulated commercial cleaner/degreaser. Rinse thoroughly and allow the surface to dry completely.

ALL MILDEWED SURFACES: Existing mildew should be removed by washing the affected areas with a 3:1 solution of Water and Chlorine Bleach or a reliable commercial Mildewcide. Keep applying until all discoloration is removed. Rinse thoroughly and allow the surface to dry before applying the product.

NEW SURFACES**NEW ASPHALT, MASONRY
& CONCRETE SURFACES:**

For New Masonry/Concrete, prepare as directed with All Surfaces and All Mildewed Surfaces. Apply one coat of Simpson Coatings W/R Epoxy Surface Conditioner #104-052C. Allow 16 to 24 hours dry time, followed by a Fill-Coat Application of Simpson Coatings EV-R-ON Court Finish #108-XXX that is reduced 50% with water and ten to thirteen pounds (10-13 lbs.) of #20 Mesh Silica Sand added and mixed thoroughly for filling the Court Surface. **(Ratio is 10 to 13lbs. #20 Mesh Silica Sand to Two Thinned Gallons)** Allow the EV-R-ON Fill Coat to dry/cure for 16 to 24 hours before applying any further scheduled Speed Surfacing Coats of the EV-R-ON Court Finish.

CAUTION: ALL NEW MASONRY, CONCRETE SUBSTRATES SHOULD DRY/CURE FOR A MINIMUM OF 30 DAYS BEFORE APPLYING ANY COATINGS. VERY DENSE, NON-POROUS OR CHEMICALLY TREATED CONCRETE MAY REQUIRE OVERALL ETCHING, ABRASIVE SAND/BEAD BLASTING OR MECHANICAL SANDING TO ACHIEVE PROPER COATING ADHESION.

PREVIOUSLY COATED SURFACES**ALL PREVIOUSLY COATED
SURFACES:**

Clean thoroughly as instructed in All Surfaces/All Mildewed Surfaces. Remove all loose peeling coatings and chalk oxidation by sanding and/or pressure washing. All substrate surfaces that have any gloss/sheen finish should be sanded to a dull finish to insure maximum adhesion. Sand/Bead blasting and/or High Pressure Water washing is recommended for the more severe contaminated and deteriorated surfaces. Surfaces requiring complete restoration must have the finish removed by either power sanding/bead blasting or the use of a paint/varnish remover, then treated as a new surface.

**PREVIOUSLY COATED
ASPHALT, MASONRY, &
CONCRETE SURFACES:**

Scrape, wire brush, mechanical grind or sand/bead blast to remove loose, unsound Asphalt/Masonry/Concrete or any laitance (white powder or dust) from the surface. This should be followed by volume compressed air removal. Surfaces with mold or mildew should be treated as instructed above for All Surfaces/All Mildewed Surfaces. Remove any Mold Release Oil with Simpson Coatings Xylol #301-011. **EXCEPT AS RESTRICTED BY YOUR LOCAL AIR QUALITY MANAGEMENT DISTRICT.** Fill any porous or heavily blasted substrate with a full surface application of Simpson Coatings W/R Epoxy Surface Conditioner #104-052C if required. Allow 16 to 24 hours dry time, followed by a Fill-Coat Application of Simpson Coatings EV-R-ON Court Finish #108-XXX that is reduced 40 to 50% with water and ten to thirteen pounds (10 to 13 lbs.) of #20 mesh Silica Sand added and mixed thoroughly for filling the Court Surface. **(Ratio is 10 to 13 lbs. #20 Mesh Silica Sand to Two Thinned Gallons)** Allow the EV-R-ON Fill Coat to dry/cure for 16 to 24 hours before applying any further scheduled Speed Surfacing Coats of the EV-R-ON Court Finish.

APPLICATION

Estimation of practical coverage of this product can be variable and is completely dependent on application technique i.e., (determine amount of wet film thickness application to achieve dry film thickness) and the porosity of the substrate.

Simpson Coatings EV-R-ON Recreational Court Finishes can be very **viscous, slow dry/curing** water reducible finishes. Drying time and curing time can be adversely affected by extreme high/low substrate and atmospheric temperature variances, along with extreme high/low humidity. For best results apply when **air, product and surface temperatures** are between **70 °F – 85 °F**, the relative humidity is no greater than **75%**, and the surface is at least **5°F** above the dew point.

Do Not Shake Or Agitate the Product. This will create excessive air entrapment in the coating material resulting in a propensity to blister and pin-hole and will prolong/extend the drying/cure time. **Stir the product thoroughly before and during application**, keeping the product dispersed for uniform consistency in the finish coat.

NEW ASPHALT, MASONRY & CONCRETE COURT SURFACES APPLICATION SPECIFICATIONS**FIRST SEAL COAT
APPLICATION:**

Apply one Seal-Coat of Simpson Coatings EV-R-ON Recreational Court Finish #108-XXX that is **40% to 50% water-thinned** with Professional Brush/Roller, Power Roller, Squeegee/Trowel, Airless/Hopper Gun Spray Application Technology. The Product should be applied at 4.8 to 5.5 mils wet film thickness to achieve 2.0 to 2.5 mils dry film thickness, allowing a minimum of 8 to 12 hours dry time before applying the EV-R-ON Fill Coat/Finish Coat. The applicator should determine at this point if the entire court surface has been properly sealed. Those surfaces with high porosity i.e. (Asphalt, Broom/Brush Masonry and Cement), may need an additional coat to sufficiently seal the surface. If it is determined that the court surface has not been sufficiently sealed, repeat the Seal Coat Application and allow an 8 to 12 hour dry time before applying the EV-R-ON Fill Coat/Finish Coat.

**SECOND FILL COAT
APPLICATION:**

Most high porosity, extremely textured Asphalt and Concrete/Masonry Court Surfaces require a **Fill Coat**. Apply one coat of Simpson Coatings EV-R-ON Recreational Court Finish #108-XXX that is **40% to 50% water-thinned** with **10 to 13 lbs. of #20 Mesh Sand/Silica** added per gallon by Professional Brush/Roller, Power Roller, Squeegee/Trowel, Airless/Hopper Gun Spray Application Technology. This EV-R-ON Fill Coat Product Mixture should be applied at 15.0 mils to 30.0 mils wet film thickness to achieve 10.0 mils to 16.0 mils dry film thickness, allowing a 16 to 24 hour dry time before applying the EV-R-ON Speed Coat/Finish Coat. Coverage of the Fill Coat Application generally averages an approximate coverage of 100 to 150 square feet per gallon depending on the applicators technique for application, the porosity of the surface, and the variable amount of EV-R-ON Fill Coat Product used. Those Court Surfaces that are **very dense/non-porous**, generally will not need a Fill Coat Application. If the court surface is a very dense/non-porous surface, proceed with the EV-R-ON Speed Coat Application.

APPLICATION continued...

THIRD SPEED COAT APPLICATION:

The Third Speed Coat Application determines the desired speed of the Court Finish. The speed of the court is developed by selecting an appropriate Mesh Sand/Silica for **Slow, Medium, or Fast Court Surfaces i.e.:**

SLOW COURT	MEDIUM COURT	FAST COURT
#90 MESH SAND	#100 MESH SAND	#110 MESH SAND

and adding **10 to 13 lbs** of the selected Mesh Sand to one gallon of Simpson Coatings EV-R-ON Recreational Court Finish #108-XXX that is **40 to 50% water-thinned**. Apply one coat of the EV-R-ON Speed Coat Mixture by Professional Brush/Roller, Power Roller, Squeegee/Trowel, Airless/Hopper Gun Spray Application Technology at 15.0 mils to 30.0 mils wet film thickness to achieve 10.0 mils to 16.0 mils dry film thickness, allowing a 16 to 24 hour dry time before applying the EV-R-ON Finish Coat. Coverage of the Speed Coat Court Application generally averages an approximate coverage of 100 to 150 square feet per gallon depending on the applicators technique for application, the porosity of the surface, and the variable amount of EV-R-ON Speed Coat Mixture used.

FINISH COAT APPLICATION:

Apply the Simpson Coatings EV-R-ON Recreational Court Finish #108-XXX by Professional Brush/Roller, Power Roller, Squeegee/Trowel, Airless/Hopper Gun Spray Application Technology without thinning. The Finish Coat should be applied cross-hatched opposite of the direction of the application pattern of the Third Speed Coat Application, at 2.4 mils to 3.0 mils wet film thickness to achieve 1.0 mils to 1.5 mils dry film thickness. Allow the EV-R-ON Finish Coat to dry thoroughly for 8 to 12 hours. Inspect the Court Surface to assure that there is adequate full coverage and an even finished appearance through out the body of the Court. If the Finish appears to be uneven or lacking coverage, repeat the Finish Coat Application again cross-hatched in the opposite direction of the first Finish Coat Application. Allow the second Finish Coat Application to dry thoroughly for 8 to 12 hours before applying the EV-R-ON Recreational Court Zone/Boundary Marking Lines.

ZONE/BOUNDARY MARKING LINES APPLICATION:

Apply the Court Zone/Boundary Marking Lines using Simpson Coatings EV-R-ON White Recreational Court Finish #108-087 by Professional Brush/Roller, Power Roller, Airless, Conventional or HVLP Spray Application Technology without thinning. The Product should be applied at 4.8 to 5.5 mils wet film thickness to achieve 2.0 to 2.5 mils dry film thickness, allowing a minimum of 8 to 12 hours dry time before applying a second Court Zone/Boundary Marking Line Application if needed, 24 to 32 hours for light traffic, a full 7 to 10 Day dry/cure time for full court surface hardness and service.

PREVIOUSLY FINISHED ASPHALT/MASONRY/CONCRETE COURT SURFACES APPLICATION SPECIFICATIONS

FIRST SEAL COAT APPLICATION:

Apply one Seal-Coat of Simpson Coatings EV-R-ON Recreational Court Finish #108-XXX that is **40 to 50% water-thinned** with Professional Brush/Roller, Power Roller, Squeegee/Trowel, Airless/Hopper Gun Spray Application Technology. The Product should be applied at 4.8 to 5.5 mils wet film thickness to achieve 2.0 to 2.5 mils dry film thickness, allowing a minimum of 8-12 hours dry time as directed above in the First Seal Coat Application Instruction for New Asphalt/Masonry/Concrete Court Surfaces.

APPLICATION continued...

SECOND FILL COAT APPLICATION:

A Second Fill Coat Application may be required if the Previously Finished Court Surface was seriously eroded and in poor condition. If the Court Surface has been repaired/prepared for New Conditioning/Finishing, apply one coat of Simpson Coatings EV-R-ON Recreational Court Finish #108-XXX that is **40 to 50% water-thinned** with **10 to 13 lbs. of #20 Mesh Sand /Silica** added per gallon by Professional Brush/Roller, Power Roller, Squeegee/Trowel, Airless/Hopper Gun Spray Application Technology as directed above in the Second Fill Coat Application Instruction for New Asphalt/Masonry/Concrete Court Surfaces. If the Court Surface is in good condition and surface is properly prepared for refinishing as directed in All Previously Coated Surfaces, then proceed to the above listed Third Speed Coat Application Instruction if the Court Surface is to be adjusted for a certain speed.

THIRD SPEED COAT APPLICATION:

Apply one coat of the EV-R-ON Speed Coat Mixture by Professional Brush/Roller, Power Roller, Squeegee/Trowel, Airless/Hopper Gun Spray Application Technology at 15.0 mils to 30.0 mils wet film thickness to achieve 10.0 mils to 16.0 mils dry film thickness, allowing a 16 to 24 hour dry time before applying the EV-R-ON Finish Coat as directed above in the Third Speed Coat Application Instruction for New Asphalt/Masonry/Concrete Court Surfaces.

ZONE/BOUNDARY MARKING LINES APPLICATION:

Apply the Court Zone/Boundary Marking Lines using Simpson Coatings EV-R-ON White Recreational Court Finish #108-087 by Professional Brush/Roller, Power Roller, Airless, Conventional or HVLP Spray Application Technology without thinning. The Product should be applied at 4.8 to 5.5 mils wet film thickness to achieve 2.0 to 2.5 mils dry film thickness, allowing a minimum of 8 to 12 hours dry time before applying a second Court Zone/Boundary Marking Line Application if needed, 24 to 32 hours for light traffic, a full 7 to 10 Day dry/cure time for full court surface hardness and service.

THINNING/CLEAN – UP

THINNING:

Thin the **EV-R-ON** Recreational Court Finish #108-XXX only as directed in the above Recreational Court Finish Application Specification Schedules.

CLEAN – UP:

Use Soap and Warm Water for cleaning Application Tools and Spray Equipment followed by a flush/rinsing with Simpson Coatings E-S-E- Reducer #309-057. **EXCEPT AS RESTRICTED BY YOUR LOCAL AIR MANAGEMENT DISTRICT**

EQUIPMENT RECOMMENDATIONS

BRUSH/ROLLER:

Use good quality Professional Synthetic Brush or 50/50 Blend Roller Covers (3/4" to 1") or Power Roller. Apply the product liberally with a fully loaded brush/roller cover for adequate leveling. Avoid rebrushing or reworking the material.

SQUEEGEE/TROWEL:

Use a high quality Rubber Squeegee with an 18" to 24" width by 1/2" to 3/4" depth blade, or a Straight Edge Plastering Trowel to apply the product.

SPRAY:

Simpson Coatings EV-R-ON Recreational Court Finish #108-XXX can be applied by Professional Airless/Hopper Gun Spray Technology.

108-XXX EV-R-ON Recreational Court Finish Technical Data/Physical Properties

Resin Type: Acrylic
Solvents: Water, Glycol Ether
Coatings V.O.C. <132 G/L

PRODUCT	ANALYSIS						PRODUCT COVERAGE			
	Pigment % by weight	% Solids by weight	% Solids by volume	Gloss	Viscosity	Wt. Per Gallon	Recommended Dry Film Thickness	Recommended Wet Film Thickness	Practical Coverage (assume 15% material loss)	Theoretical Coverage @ 1 mil D.F.T.
104-087 EV-V-ON White Court Finish	35.5-37.5%	56.7-58.6%	40.6-42.6%	Flat	85-90 KU	11.2-11.8	1.0-1.5 mils	2.4-3.0 mils	190-230sq. ft.	225-275 sq. ft.
108-144 EV-R-ON Redwood Court Finish	28.6-30.6%	52.0-54.0%	38.4-40.4%	Flat	90-105 KU	10.4-11.0	1.0-1.5 mils	2.4-3.0 mils	190-230 sq. ft.	225-275 sq. ft.
108-169 EV-R-ON Green Court Finish	40.0-42.0%	56.2-58.2%	40.7-42.7%	Flat	110-115 KU	11.0-11.6	1.0-1.5 mils	2.4-3.0 mils	190-230 sq. ft.	225-275 sq. ft.
108-171 EV-R-ON Brown Court Finish	30.3-32.3%	52.7-54.7%	38.3-40.3%	Flat	125-140 KU	10.6-11.2	1.0-1.5 mils	2.4-3.0 mils	190-230 sq. ft.	225-275 sq. ft.

Dry times @ 77° F and 50% R.H.

Tack Free: 6-8 Hours

Handle: 8-12 Hours

Sand/Recoat: 8-12 Hours

Full Dry/Cure: 7-10 Days

Special Instructions :

Proposition 65 Warning

WARNING: THIS PRODUCTS CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

TECHNICAL SERVICE: Technical Services are available through Simpson Coatings Technical Service Support at 1-800-877-5997

LIMITED WARRANTY: The statements on this bulletin product label, or by any of our agents concerning these materials are given for information only. They are believed to be true and accurate and intended to provide a guide to approved construction practices and materials. As workmanship, weather, construction equipment, quality of other materials and other variables affecting results are all beyond our control. The Simpson Coatings Group does not make nor does it authorize any agent or representative to make any warranty of MERCHANTABILITY OR Fitness for any purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material except that it conforms to Simpson Coatings quality control standards. Any liability whatsoever of Simpson Coatings Group to the buyer or user of this product is limited to the purchaser's cost of the product itself.