



# DEFENSE

## WATERBORNE SPORT FLOOR FINISH

**Highest Gloss in The Industry**  
**Exceptional Build and Scuff Resistance**

ITEM ID: defenglos

Defense Sport finish is a premium 2-component waterborne coating, specifically designed for high gloss and durability. With a VOC less than 250 grams per liter, Defense meets or exceeds all VOC regulations in the United States including California and Canada.

### Characteristics

- Phenomenal durability
- Very high gloss, excellent appearance
- Easily maintained
- Excellent chemical resistance
- 8-hour pot life
- May be crosslinked again within 48 hours
- Water cleanup
- VOC does not exceed 250 g/L
- MFMA approved

### Recommended Uses

Basketball, racquetball, volleyball, squash & badminton courts, multi-purpose gyms, stages, aerobic and dance floors.

### Technical Data

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**Sheen Level:** (60°) gloss = 90+

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**Solid Content:** 32.5%

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**VOC:** does not exceed 250 grams per liter

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**Percent Cured:** After 24 Hours: 80%

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**Fully Cured:** 1 week

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**Shelf Life:** 1 year

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**Storage and Working Temperature:** 50° to 77°

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**Packaging:** 5 gallon pail & 1 gallon plastic bottle

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**Clean Up:** Water

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### Application Characteristics

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**Coverage Rate:** 450 - 500 square feet per gallon

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**Leveling:** Excellent

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**Defoaming:** Excellent

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**Dry Time:** 2 - 3 hours

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**Application Tools:** T-bar, cut-n-pad, roller, brush

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**Pot Life:** 8 hours after crosslinked, can be re-crosslinked within 48 hours

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**Clarity:** Milky white wet, dries clear

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## ADVANTAGE COATINGS TECHNOLOGIES: DEFENSE WATERBORNE GYM FINISH

Advantage Coatings Tech products are produced using the highest quality ingredients. Our formulations are designed to provide exceptional performance and durability. Advantage waterborne formulations meet or exceed all state and federal clean air quality standards. Defense contains less than 250 grams per liter- 2.1 lbs per gallon VOC (volatile organic compound).

### New Floors and Sanding – 4 or 5 coat finish system

1. Sand and prepare floor using MFMA accepted practices.
2. Make your final cut with 80-100-grit paper. Screen with 80-100-grit screen.
3. Vacuum thoroughly.
4. If tacking is desired, only use water.
5. Apply one coat of Sport Tone Sealer with T Bar (see Sport Tone Sealer back label or spec sheet for directions). **Abrading Sport Tone is not necessary if next coating is applied within 48 hours.**
6. Apply first coat of Defense.
7. Abrade Defense with maroon pad and apply game lines and logos.
8. Properly abrade games lines and logos and also the second coat of Defense if floor as sat longer than 48 hours.
9. Apply final two coats of Defense (apply a fifth coat if desired).

### Recoating Floors – 1 or 2 coat finish system

Interview owner/custodial staff on types of floor cleaners used. Be certain floor is free from wax, oily residue and unapproved floor cleaners. These types of contaminations will limit the coatings adhesion characteristics and may cause finish failure. Prepare a test area if necessary.

### Wet Scrubbing Method

1. Sweep floor thoroughly to remove all dirt and grit. Vacuum edges of floor to remove dirt from bottom of base.
2. Using an auto scrubber – Add ACT's Sport Scrub to auto scrubber and wet abrade with a maroon pad (320 grit) or 150/180 grit screen (do not use anything more aggressive than a 150 grit screen). Make sure vacuum squeegee is operational and removing dirty solution from the floor.
3. Using a buffer or swing machine – Spray or wet mop ACT's Sport Scrub on the floor. Wet abrade with a maroon pad (320 grit) or 150/180 grit screen (do not use anything more aggressive than a 150 grit screen). Extract solution with wet vacuum before it dries. Dry abrading not necessary using this method.

### Dry Abrading Method

3. Dry abrade with a maroon pad (320 grit) or used 150/new 180 grit screen
4. Vacuum or use auto scrubber with clean water to remove dust.
4. Tacking with an auto scrubber - add ACT's Sport Scrub or water and clean entire floor.
5. Tacking with out an auto scrubber – use a larger microfiber mop or push broom with clean terry cloth towels. Tack with ACT's Sport Scrub or water by wetting out the microfiber pad or terrycloth towel. Tack entire floor keeping the leading edge of the mop and rotate towels toward you to keep from re-depositing the dirt.
5. Wipe down perimeter of the gym and base boards with clean terry cloth towels.

### Finish Application

Do not apply Defense directly over stain. Use Sport Tone Sealer over stain or dye. **Recommended Applicators:** T-bar with floor coater

sleeves—lightweight and heavy weight. **Mixing Instructions:** Pre-mix Defense with a stir stick. Slowly add Sport Linker to Defense and continue stirring for 5 minutes. Do not aggressively shake finish to mix. Allow finish to equilibrate for 15 minutes before using.

### Coverage rates & Dry times

Light weight t-bar 500 sq ft per gallon. Heavy weight t-bar 800 sq ft per gallon (never use a dry screen with heavy weight t-bar, swirl marks will be apparent). Dry times are 2 to 4 hours depending on conditions. Ideal drying conditions, 65-80° F, and 30-50% relative humidity. Higher humidity will slow dry times.

### Applying finish

Pour a 5" bead of finish along the starting wall. Apply finish by going with the boards, and always keep a wet edge. Using the snow plow method work finish across the entire floor. To prevent lapping and missed areas, always keep that wet edge.

### Second Coat & Intercoat Abrasion

It is not necessary to abrade in between coats of Advantage Coatings unless 48 hours has passed since the last coat was applied. If 48 hours has passed abrade with a maroon pad (320 grit). Then vacuum and tack floor before applying second coat.

### Curing

100% cure is about 7 days in ideal conditions-80% after 1 day and 90% after 3 days. The floor is more susceptible to scuffing and marring with in the first 3 days. Resume activity after 5 days with good drying conditions. Do not wet clean the floor with in the first 7 days. Only dry mop/tack the floor. No walk off mats with in the first 7 days.

### Clean Up

Clean all applicator tools with water and store in an air tight container.

### Maintenance

Always use Advantage's Pro Sport Clean. Visit [advantagecoatingstech.com](http://advantagecoatingstech.com) to download the latest maintenance procedures.

### Stability and Storage

One year shelf life on unopened container. Store in a climate controlled environment at room temperature. Do not freeze. Nonflammable

Note: There are no expressed or implied warranties, including warranties of merchantability or fitness for a particular purpose. Buyers remedies are limited to replacement or refund of purchased price. Manufacturer assumes no liability for injuries, incidental or consequential damages. User shall determine suitability or product for intended use.