

POLYGUARD 85 BASE

Available in three colors: TAN & GRAY & DARK GRAY

Wet Look , Super Gloss Finish



Characteristics & Technical Data

% Solids by Weight (When mixed A+B):	86%
QUV (ASTM D G-54):	>2,000 hours with no gloss loss
WT./Gal (A+B)	10.2 Lbs/Gal.
Coverage:	150-200 SqFt/Gal @ 6 mil DFT
VOCs (A+B) :	<150 gr/L
POT LIFE :	30-40 Minutes at 80 F (Higher temperatures and high humidity decreases pot time.)
TACK FREE :	1 Hour
LIGHT FOOT TRAFFIC :	4 Hours
COMPLETE HARDENESS :	8 Hours
HEAVY TRAFFIC :	24 Hours
FULL CURE :	5 Days
MIN RECOAT :	1.5 Hours
MAX RECOAT :	24 Hours

**If applying a second coat, it must be applied within 24 hours after the first. If the re-coat window is missed, the coating system will need to be sanded and reapplied.

1. Manufacturer

SurfaceLogix – a Reliance Supply Company

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2. Product Description

PolyGuard 85 Base is a 2 component, aliphatic, solvent based, tinted Polyaspartic system, with high 86 % solids. **PolyGuard 85 Base** dries to a very hard, chemical resistant and tire marks resistant finish, that gives the “Wet Look” and shine of glass! **PolyGuard 85 Base** can be used on it own or for full broadcast system’ coatings, (pigmented and chip embedded), to obtain a non cracking, non yellowing, and with a mosaic of colors, long lasting floor finish. **PolyGuard 85 Base** is ideal for use in garage and restaurant floors, service areas, and many other surfaces; it can also be used on counter tops, wood and laminates. **PolyGuard 85 Base** has UV protection, allowing outdoors’ applications without yellowing.

FOR PROFESSIONAL USE ONLY !

Do Not apply on pavers or very porous substrates.

3. Properties & Special Features

- Solvent base, high solids, low VOCs.
- Hard, tough , yet flexible surface finish.
- 8 Hours return time.
- No yellowing, no fading with prolonged UV exposure.
- High temperature and traffic resistance.
- Great chemical and stain resistance.
- Excellent for full broadcast systems.
- Very good adhesion to different substrates
- Excellent flow makes it easy to apply.
- Super high gloss finish.

4. Surface Preparation

Surfaces must be clean and free of any contaminants before application. **PolyGuard 85 Base** performance is directly related to how thoroughly the surface is prepared. New concrete should cure at least 28 days before applying. If **PolyGuard 85 Base** is to be applied directly on old concrete or coated surfaces, all cracks should be eliminated , and sand/grind thoroughly with 60 grit sandpaper or diamonds (diamond grind or shotblast to a CSP 1-3 surface profile. Refer to SSPC-SP13/NACE 6 or ICRI Technical Guideline No. 310.2) and clean off existing coating to provide proper surface profile before proceeding with application.

It is recommended to test product in an obscure area to ensure desired results for adhesion and finish.

5. Moisture Vapor Barrier

If humidity or moisture is present in the concrete floor or suspected to be present, a suitable moisture vapor barrier (MVB) must be applied. If a moisture vapor barrier is not in place, seasonal variations in ground moisture can cause excessive moisture vapor transmission MVT, that can cause problems to the coating application. Recommended MVT rate for the **PolyGuard 85 Base** must not exceed three pounds per 1,000 square feet per 24 hours, as directed by ASTM F1869. The relative humidity (RH) of the slab must not exceed 75%, as directed by ASTM F2170. If there is a moisture situation in excess of the above rate, the use of a MVB primer like our **PolyGuard MVB** is recommended.

POLYGUARD 85 BASE

Polyaspartic Finish: Light Gray, Dark Gray, Tan

Wet Look , Super Gloss Finish

6. Application Directions

PolyGuard 85 Base contains a Part A and Part B that must be mixed together. Only use the correct ratio of 2 Parts A and 1 Part B as purchased.

Pour 2 Parts A and 1 Part B into a clean, dry container and mechanically mix gently to avoid creating air bubbles. Mix for 3 minutes with a drill, and product is ready to apply.

PolyGuard 85 Base cannot be applied over clear acrylics and clear water based systems.

Application on surfaces above 100°F and below 40°F may result in improper adhesion and slow cure.

1. Apply at a spread rate of 150–200 sq. ft. per gal. to yield 6–10 wet film thickness using a squeegee and back-roll with a non-shedding 3/8" nap roller.

Note: The use of a flat or notched squeegees to spread **PolyGuard 85 Base** prior to back rolling depends on the thickness of your coating system. Thinner coatings work best with flat squeegees and thicker coating systems with a notched squeegee.

2. This material will cure faster with exposure to moisture in the air, and high temperature.

3. Applying thicker than recommended, and allowing material to pool, or rolling into late, may leave a hazy appearance.

4. Allow **PolyGuard 85 Base** to level in the surface. Back roll any material that is puddled on the surface. A second coat could be applied if wanted.

5. The second coat can follow after approximately 1 hour of dry time, depending upon weather and sun exposure.

FOR FULL BROADCAST SYSTEMS

1. Apply at a spread rate of 150–200 sq. ft. per gallon to yield 6–10 wet film thickness using a notch squeegee and back-roll with a non-shedding 3/8" nap roller to get a uniform coat.

2. Broadcast flakes on to the substrate immediately after base coat is applied.

3. After 90 minutes, remove excess flakes. This can be achieved with a light scrape. Use a broom or a blower to discard and clean excess flakes from the surface.

4. Apply Polyaspartic Clear Coat, **PolyGuard 85 Clear**. See **PolyGuard 85 Clear** back label for mixing & application instructions.

It is the sole responsibility of the applicator to determine whether a non-skid additive is appropriate or needed for the job.

7. Coverage

1 gallon covers 150 to 200 square feet per coat. Coverage will depend on surface porosity, and application method. This Kit will cover approximately 600 sq/ft.

8. Packaging

Size	Package	PART A	PART B
1 gallon kit	Gallons	2	1
TOTAL	3 GAL	NET:30.6 LB	

9. Curing Information

Dry To Touch: 1-2 Hours (varies with conditions)

Recoat: 1.5 hours

Total hardness : 8 Hours

10. Clean Up

Clean up mixing and application equipment immediately after use. Use toluene, acetone or xylene; do not use Alcohol or water. Follow solvent manufacturer's safety instructions. Use safety gear when handling solvents. Be sure to follow all local, state and federal regulations when disposing of materials.

11. Shipping

Land & Sea: Part A Ships Non Regulated, Part B: LtdQty.

Packing Group: III

Flash Point: >100° c

12. Storage & Shelf Life

Product must be kept in its original, unopened and tightly sealed container. Store in a dry and well ventilated place with controlled temperature (50°F to 90°F). Keep sheltered from weather and direct sunlight. In proper storage conditions, the product's shelf life is 12 months following production (see date on packaging).

13. Health Hazard Information

Use Gloves and Safety Glasses when handling this product.

Eye Contact: May irritate eyes. If in eyes, flush with water for at least 10 minutes. Do not rub eyes. Remove contact lenses if worn.

Inhalation: Use a NIOSH approved respirator for continuous use. Use with adequate ventilation.

Ingestion: If swallowed, DO NOT induce vomiting. Seek medical attention immediately.

Skin: Avoid prolonged contact with skin.

Wash hands immediately with water and soap if in contact with hands.

If irritation develops in eyes or skin, call a Doctor.

Please understand the label instructions and Safety Data Sheets before using this product

14. Technical Support

For friendly, knowledgeable and courteous technical support please call 954.971.9111.

You may also reach us by sending a query from our website at www.surfacelogix.net.

15. Disclaimer

All SurfaceLogix products are manufactured with the finest raw materials. It is the applicator's responsibility to determine the appropriate use of the product.

All recommendations and suggestions are made without guarantee, since conditions of use are beyond our control.