# Exterior concrete floor coating guide

SHIELD PRO 2305 + 2306 / Concrete floors / Roller application

## 01 MATCH THE PRODUCT. WEIGH THE MIX.




### SHIELD PRO 2305

**2305 Part A + 2305 Part B**

A = BASE / B = HARDENER

**A 1000 g + B 200 g**

Partial-batch example

**5:1**

**A : B / BY WEIGHT**




### SHIELD PRO 2306

**2306 Part A + 2306 Part B**

A = BASE / B = HARDENER

**A 1200 g + B 200 g**

Partial-batch example

**6:1**

**A : B / BY WEIGHT**

Packaging images are illustrative. Verify the product number on both actual labels.

> **NEVER INTERCHANGE THE HARDENERS.**
>
> Container size is not the mixing ratio. Weigh A and B; do not measure by volume.

## 02 CHECK BEFORE MIXING

- ☐ **Matched A/B** — Same product number
- ☐ **Correct ratio** — 5:1 or 6:1 by weight
- ☐ **Scale zeroed** — Check g / kg
- ☐ **Area ready** — Tools and protection ready

## 03 BEFORE OPENING THE CONTAINERS

Wear chemical-resistant gloves and protective clothing. Use chemical splash goggles; add a face shield where splashing is possible.

2306 Part B: wear respiratory protection selected for the actual exposure. Use adequate ventilation. Keep flames, sparks and smoking away.

Read the Safety Data Sheets (SDS) for A and B and the Technical Data Sheet (TDS). Keep eyewash available.

# Prepare the surface. Plan the work zones.

Sound, fully cured concrete. No separate primer on suitably prepared surfaces.

## 01 CLEAN, INSPECT AND DRY



### Remove contamination

Remove oil, dirt, salts and dust. If the floor is washed, let it dry fully before coating.



### Prepare weak areas

Remove loose material and adhesion-blocking films. Grind where needed, then collect dust. Check existing-coating compatibility.



### Verify dryness

New concrete must be fully cured. Check moisture with a suitable concrete test. A dry-looking surface is not enough.

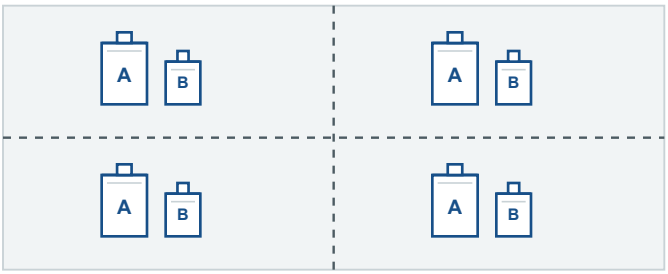
**Moisture uncertain?** Do not coat. Ask technical support to confirm the concrete moisture test method and whether the measured result is acceptable.

## 02 SUPERVISOR: CHECK SITE CONDITIONS

| | |
|---|---|
| **Air temperature** | At least 4°C (39.2°F); 10°C (50°F) or higher preferred |
| **Humidity** | 85% RH or less |
| **Concrete temperature** | Below 40°C (104°F) and at least 3°C (5.4°F) above dew point |

## 03 MARK THE AREA BEFORE MIXING

### UNMIXED KITS




Layout example only. Mark measured zones for each product.

### APPROXIMATE MATERIAL PLAN

**2305 / 24 kg kit**

**38 m² (410 ft²) per kit**

0.630 kg/m²

**2306 / 20 kg kit**

**50 m² (540 ft²) per kit**

0.397 kg/m²

Planning estimates include 30% material loss. Actual coverage varies with the surface and method. Do not force all material onto a zone.

Keep the staged kits **unmixed**. Re-plan zones for 2306. Mix only when the crew and tools are ready. Use small batches for small areas.

# Measure accurately.
# Mix one batch at a time.

Use the matching Part B. All mixing ratios are by weight.

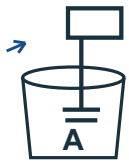
| | | | | |
|---|---|---|---|---|
| 2305 | 5:1 | 2306 | 6:1 | A : B / BY WEIGHT |

**30 MIN**

**FINISH APPLICATION WITHIN**

At 25°C (77°F), full-kit mixing, both products. Start when A meets B. Mixing time is included.

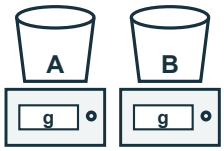
**01**




### PREMIX PART A

Stir Part A until uniform before taking any material. Keep Part B separate until the correct quantities have been measured.

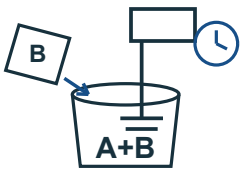
**02**




### WEIGH A AND B SEPARATELY

Zero the scale with each empty container. Check g / kg. Weigh A and B separately: 5:1 for 2305; 6:1 for 2306. See the examples on page 1.

**03**




### COMBINE AND POWER-MIX

Add the measured, matching B to A. Start the timer. Power-mix for **3-4 minutes** until uniform; reach the sides and bottom.

**04**



### MOVE STRAIGHT TO APPLICATION

Spread promptly. Do not leave a full mixed kit standing in the container. Mixed material generates heat. Do not save mixed leftovers.

**STOP USING MATERIAL IF IT THICKENS OR GELS.**

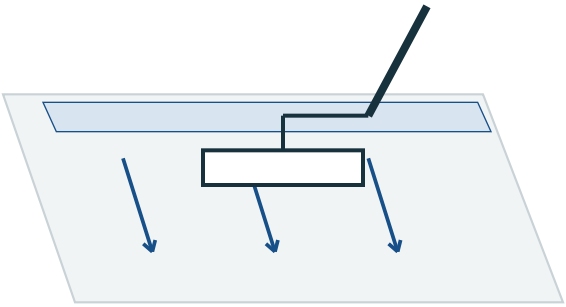
Stop sooner than 30 minutes if needed. Warmer conditions can shorten working time. Do not add water, thinner or extra hardener, or blend old mix into a new batch.

Keep tools clean and components separate. Smaller batches do not automatically allow more working time.

# Spread evenly.
# Protect the coated floor.

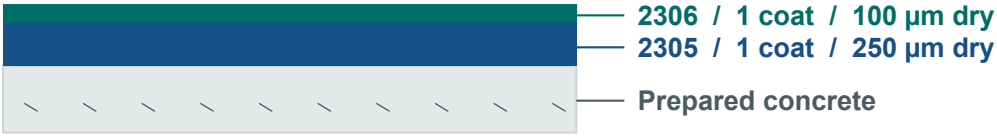
One coat of each product for this exterior concrete floor system.

## 01 POUR CONTROLLED AMOUNTS. ROLL EVENLY.



Use a long-handled roller in long, even passes. Spread to the target thickness; remove pools and roller ridges. Preserve the existing drainage slope.

### COATING CROSS-SECTION




Schematic; not to scale. Target dry film: 2305 9.8 mils; 2306 3.9 mils.

## 02 WAITING TIMES AT 25°C (77°F)

**AFTER 2305**

# 5-24 h

Apply 2306 no earlier than 5 h and no later than 24 h after completing 2305 in that zone. The surface must be clean, dry and ready for recoating.

**Count from coat completion in that zone.**

### 12 h minimum

**After EACH product**

Protect from rain and dew.

### 24 h

**After 2306**

Foot traffic may resume.

### 48 h

**After 2306**

Vehicle traffic may resume.

Keep the surface dry during application. Plan a rain- and dew-free period of at least 12 h after each coat. The 12 h clock restarts after 2306.

### RECORD THE COMPLETION TIME FOR EACH COAT AND ZONE.

| Zone | 2305 date / time | 2306 date / time |
|---|---|---|
| | | |

### STOP AND CHECK BEFORE RECOATING OR REOPENING

If the 24 h recoat window has passed, the coating is wet or soft, or conditions differ from 25°C, obtain technical guidance on preparation and timing. Do not rely on the clock alone.

Wet floors may be slippery. This system includes no added anti-slip aggregate.