

## Technical Data Sheet

# HydroBlok Primer 1100 500 Square Foot Kit

GUARANTEED TO BLOCK MOISTURE & VAPORS IN CONCRETE SLABS

### Description:

**HydroBlok 1100** is an impermeable two-component modified epoxy coating with zero VOC to block the moisture vapor emissions from new and existing concrete slabs. Its unsurpassed adhesion to concrete exceeding 1,000 psi tenaciously grabs on to the concrete slab to block the moisture and vapors beneath the concrete slab. For extra protection, we recommend applying **PATC Polyaspartic** topcoat.

### Extraordinary Properties:

- Adhesion to concrete exceeding 1,000 psi
- Guaranteed to stick to concrete slab and NOT delaminate
- Resistant to the harshest chemicals including paint strippers, battery acid, and other acids.

### Applications:

- Any concrete slab that "leaks" moisture and vapors.
- Any concrete slab to prevent moisture and vapor leaks in the future
- Or new concrete slab to protect it from future moisture and vapor problems.

### Unique Properties:

- Zero VOC
- Minimal preparation: sweep and pick up debris and wipe surface with acetone
- Adhesion to concrete slab so strong that it exceeds 1,000 psi
- Fast drying: tack-free and ready for topcoat in 90 minutes by using accelerator
- Work completed overnight in less than 8 hours
- Simple roller application technique allows installation to be performed by experts or novices
- Best solution and the LOWEST COST solution

### General Notes

- Minimum application temperature is 41°F (5°C) Ambient Temperature.
- Minimum application temperature is 55°F (12°C) Surface Temperature.
- Applications below 41°F are easily achievable. Consult the manufacturer for instructions.
- Pot Life is 40 – 60 minutes.
- Tack free dry time is 6 hours, or 90 - 120 minutes with AYP Accelerator.
- Subsequent coats (Such as Top Coat) can be applied in 1.5 hours.
- Recoat time is 24 hours. After 24 hours, you must perform the following procedures: Light acetone wash and wipe. Acetone wash is recommended because it eliminates dust and opens the primer to provide maximum adhesion.
- InduraFloor System's primary purpose is superior adhesion to the surface. Proper application will result in adhesion over 1100 PSI.
- Do Not Dilute.

1. **Clean.** Dry sweep and remove loose debris and standing water. Dry as needed until no debris or water remains. Use of leaf blower or floor blower fan is recommended. Follow with acetone wipe. Splash acetone on the floor, and use a dust mop or swiffer-style cloth mop to wipe the floor. This acetone wipe is required for guaranteed adhesion. Note: Acetone wipe will mitigate oils and debris in the pores of the floor.
2. **Amount of product.** You will get area coverage of 500 square feet per kit. If you do not get this amount of area coverage, you are not applying our product properly.
3. **Accelerator.** Add when faster dry time is needed. Add Pre-Measured Accelerator to Part B. Mix and allow to stand for 5 minutes. Accelerator reduces dry to 90 – 120 minutes. Other than kit mixes, add accelerator at 1.5% by volume.
4. **Mixing.** If color is desired, add color to Part B. Mix Part A with Part B at a 1:1 ratio using a low RPM mixer with the specified mixing blade. Mix thoroughly for at least 3 minutes at low speed until everything is blended.

**Important:** The Product mix is to REMAIN and to be distributed from the 5 Gallon Pail during application.

*\*Requirement for Application: Use 9 Inch rollers and a 5 Gallon Mixing Bucket. Place the container on a caddy or furniture dolly for mobility.*

**5. Induction Period.** After mixing, place a lid on the bucket. Let the mixture sit for at least 10 minutes. This period is called induction time. *Note: Colder temperatures require a longer induction time up to 15 minutes.*

**6. Application.** CAUTION – DO NOT pour out the mixture onto the floor. DO NOT use a squeegee. Apply Product by dipping the roller into the bucket, screening it off on the grid, and applying the product onto the floor with the specified roller.

**7. Film Thickness.** Required film thickness is achieved by **multiple passes** of the roller over the surface with appropriate applied pressure. The multiple passes are imperative to your dry time. **The more the better.**

Use the roller to apply product at a maximum film thickness of 4 mils. The product will have a milky, hazy, and translucent appearance. If you find that the primer is not partially transparent, the primer is too thick and it will affect dry time.

**8. Dry Time.** 90-120 minutes. However, no waiting is necessary for the subsequent coats (DecoFlakeColor).

**Physical Properties:**

PROPERTY	TEST METHOD	RESULT	
		LATICRETE	AYP
ADHESION	ASTM D7234	>410 psi	>1,000 psi
VAPOR PERMEANCE	ASTM E96	0.052 gr/h/ft2/in	0,05 gr/h/ft2/in
TENSILE STRENGTH	ASTM C1583	>410 psi	>1,000 psi
RESISTANCE ALKALINITY	ASTM D1308	14 pH	14 pH

**Working Properties:**

PROPERTY	RESULT	
	LATICRETE	AYP
MIX RATIO	1:2	1:1
WORKING TIME (POT LIFE)	20 - 30 minutes	50 - 60 minutes
RE-COAT TIME (MINIMUM)	12 hours	1.5 hours
RE-COAT TIME (MAXIMUM)	72 hours	48 hours
FULL CURE	7 days	2 days

**Packaging:**

Packaged in 3 Gallon plastic pail

**Shelf Life:**

2 years unopened under good storage conditions

**Disclaimer:**

This information is presented to the best of our knowledge at the date of publication. It is offered without warranty, both express and implied, regarding the accuracy or the results to be obtained from the use of such information and is intended for use by persons who are experienced and knowledgeable.