Product Data Sheet

PLATFORM™ PERFORMANCE FLOORING SYSTEMS
A KEENE INC. COMPANY

3 DIVISION

Concrete Topping
03 53 00

Cast Underlayment
03 54 00

Platform **SLV™**

Penetrating and Consolidating Low Viscosity Epoxy Primer

PACKAGING

Two-part, One US Gallon Kit:

- Part A: 0.28 gallon (1.0 G) container
- Part B: 0.35 gallon (1.0 G) container

SUITABLE SUBSTRATES

Use to strengthen and repair

- Gypsum underlayments with compromised surface
- Lightweight concrete with weak surface
- Hairline cracks in well bonded gypsum/concrete surfaces

Mixing Equipment

- Safety Gloves, Glasses and NIOSH approved respirator
- Electric Drill (300-400 rpm) and Jiffy (epoxy/paint) type paddle mixer
- Clean mixing pails
- Non-shedding 1/4" (6 mm) nylon core roller cover
- Non-metallic cleated shoes

Platform SLV™ is a very low viscosity water-based surface strengthening epoxy primer. A single coat application, Platform SLV penetrates compromised gypsum or lightweight concrete and provides a strengthened surface prior to application of leveling, patching, waterproofing, or installation of flooring goods. Platform SLV may also be utilized to treat stable surfaces that suffer from hairline cracking. Once cured, Platform SLV is typically compatible with primers & adhesives for non absorbent surfaces. Contact Technical services with questions.

Features

- Penetrates and consolidates weak, dusty surfaces
- One coat system with low odor, and low VOC
- Fast, cost efficient repair solution

Properties

Pot Life	Use within 1 hour after mixing
Cure Time	6-12 hours at 75°F and 50% relative humidity
Flash Point	> 200°F (93.3°C)
Coverage/Yield	Reference mixing table for application coverage.
VOC Content	<5 g/l

Preparation & Application

SUBSTRATE PREPARATION

Use appropriate safety (PPE) equipment including dust collection during surface preparation. Substrate Temperature must be 5°F above dew point and rising prior to application. Ambient and substrate temperatures must be from 45°F-90°F (7°C-32°C). Low temperatures slow cure, high temperatures reduce working time and accelerate cure. Surfaces must be dry and exhibit no more than 85% RH.

Consider minimum required depth of Gypsum underlayments to ensure designated fire rating is maintained. Substrates must be structurally sound, stable and clean. Ensure Gypsum and concrete substrates are dry and free from all adhesives and bond breakers such as dirt, oil, wax, release agents, paint, drywall compounds etc. Shut down radiant heating systems until after the primer has fully cured. To prepare weak gypsum with dusty or chalky surface: Sweep (mechanically abrade) the surface with a stiff bristle broom to weak surface material. Utilize commercial vacuums to control airborne dust and to thoroughly remove all dust & loose material from the surface of the existing compromised gypsum.

MIXING

1. Follow instructions to ensure material is mixed as designated. Failure to do so may Wresult in incomplete product cure.
2. Condition material to 65° – 85°F (18°-30°C) prior to mixing.
3. Add Part A (.28G) to Part B (.35G) in the short filled PART B container (If additional mixing room is desired, utilize a clean mixing pail to combine the Part A & Part B.)
4. Mix at low speed (300 – 400 rpm) with jiffy paddle for a full 3 minutes. Material will appear a pastel green when fully mixed.
5. Place the designated water (by application below) in a clean mixing pail with adequate headroom for the complete mix.
6. Slowly add the mixed Part A & B to the clean pail with water while mixing at low speed. Mix for an additional 2 minutes until the epoxy is uniformly mixed with the water. Material color will appear as light yellow to white.
7. Mix for the designated time to a homogenous state. Failure to do so may result in material that looks dry but has not reacted to achieve desired product performance.

Application	Part A	Part B	Mix time	Water Addition	Additional Mix Time
Hairline Crack Repair	0.28G	0.35G	3 mins	0.35 G	2 mins
Urine Resistant Primer	0.28G	0.35G	3 mins	0.75 G	2 mins
Penetrating surface Consolidator	0.28G	0.35G	3 mins	4.4 G	2 mins

	Yield	Do Not Exceed Coverage*	Pot Life
Hairline Crack Repair	1 Gal	NA	1 hr
Urine Resistant Primer	1.38 G	350 ft² G	1 hr
Penetrating surface Consolidator	5.03 G	200 ft² G	1 hr

*Applications on very porous surfaces may not realize “do not exceed coverage.”

APPLICATION

Apply the mixed unit (Parts A, B & water).

Crack Repair

Mask off any areas not to be exposed to the epoxy. Flood the cracks to rejection within the designated material pot life. Remove excess epoxy (residue) from surfaces prior to cure. Exposed, cured Platform SLV may be primed with Platformperformance.com Primer A/P360 NEAT prior to application of underlayments or cementitious patch.

Urine Resistant Primer

Flood the surface with Platform SLV at a maximum coverage rate of 350 ft² per gallon of mixed material. Apply the Platform SLV by Hudson type sprayer at no more than 350 ft² per gallon (alternatively, SLV may be applied directly to clean substrate and spread with a squeegee). Backroll with ¼” nap roller to ensure uniform spread of Platform SLV and to remove any puddling of the material on the surface. Ensure the surface is entirely wetted out. Minimize overlap. Cure time to apply flooring is 14 hours (temperature and humidity dependent).

Penetrating, surface consolidating primer

Best practices, apply the Platform SLV by Hudson type sprayer at no more than 200 ft² per gallon (in some cases direct application of the Platform SLV and spread by squeegee may be suitable). For surface repair of damaged, dusting gypsum underlayments: Backroll with ¼” nap roller to ensure uniform spread of Platform SLV and to remove any puddling of the material on the surface. Ensure the surface is entirely wetted out. Minimize overlap. Apply all mixed material within the 1 hour pot life.

CURE TIME (@ 70ºF)

When Platform SLV is cured, the surface (assuming correct preparation, mixing and application) will be sound and dust/chalk free. Cure time prior to application of subsequent primers, flooring adhesives etc., is typically 8 hours. Dry times are always temperature and humidity dependent, ensure surface is dry prior to application of any subsequent adhesives or flooring materials.

After Platform SLV has cured, utilize Platform P360 NEAT to prime the substrate prior to application of gypsum or cementitious leveling or patch products (reference application over non-absorbent substrates on Primer A/P360 Product Data Sheet). All primer, adhesive and floor covering manufacturers installation procedures supersede our recommendations.

PRODUCT DATA

- Pot Life: Use within 1 hour after mixing.
- Cure Time: Application and Temperature dependent. Typically 6 – 12 hours
- Flash Point: >200°F (93° C)
- VOC Content: <5 g/l

Limitations/Precautions

- Do not apply multiple coats of Platform SLV
- Not for use in exterior applications
- Platform SLV is not intended for use as an exposed surface and with yellow when exposed to UV.

Clean-up and Disposal

Remove uncured primer with methyl ethyl ketone (MEK), xylene, or oxygenated solvents. Cured primer will require removal by mechanical means. Ensure all primer is cured prior to disposal. Dispose waste according to local standards and regulations.

LIMITED WARRANTY

Dependable, LLC warrants to the initial purchaser only that the goods sold hereunder will be free from defects in material and workmanship and, except as otherwise set forth herein, will conform to the specifications provided. If any failure to meet this warranty appears within one year from the date of shipment of the goods, on the condition that Dependable, LLC. will correct any such failure by either replacing or repairing any defective goods, at Dependable, LLC's option. The preceding paragraph sets forth the exclusive remedy for all claims based on failure of or defect in the goods sold hereunder, whether such failure or defect arises before or during the warranty period and whether a claim, however instituted, is based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise. The forgoing warranty is exclusive and is in lieu of all other warranties whether written, oral, implied or statutory.

Published technical data & instructions are subject to change without notice. Please contact Platform Performance Flooring Systems for the most current technical data, safety data & application instructions.

Technical Assistance:
Visit our website: platformperformance.com or call
1-800-227-3434

Phone: 877-514-5336
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