LUXE PP ZERO NO ODOR & LONG WORKING TIME POLYASPARTIC

TECHNICAL DATA SHEET

DESCRIPTION

Luxe PP Zero is a two-component, slow-curing, no-odor, polyaspartic topcoat designed as a decorative and durable coating for commercial and industrial flooring. Formulated with aliphatic chemistry, **LUXE PP Zero** is color stable and will resist UV exposure without color change, as seen with other coating systems such as epoxies. This high-performance coating has a simple 1 : 1 mix ratio, an extended application window, and little to no effect of humidity on working time.

TYPICAL APPLICATIONS

- Concrete basecoat and/or topcoat
- Outdoor applications; UV-stable formulation
- Indoor applications; no odor
- Aircraft hangar floors
- Maintenance facilities
- Industrial shop floors
- Car washes or wash bays

ADVANTAGES

- Extended working time
- Virtually no odor formulation
- Application tolerant to moisture
- Excellent UV resistance, non-yellowing
- Very high gloss
- Excellent abrasion & impact resistance
- Achieve a wide variety of colors, patterns with color quartz or vinyl flake
- Logos with inlays
- Excellent chemical resistance
- Resists hot tire marking transfer
- High-build capacity, 10 - 12 mils maximum

PROPERTIES

PACKAGING	2 US gal (2 x 1) (7.57 L)	
RECOMMENDED THICKNESS	As Topcoat	Over Solid Color - 6 mils (266 ft²/gal) Over Vinyl Chip - 12 mils (140 ft²/gal
SHELF LIFE	12 months in original unopened factory sealed containers. Keep away from cold, heat or moisture. Keep out of direct sunlight and away from fire hazards.	
MIX RATIO, BY VOLUME	1A : 1B	
POT LIFE 1 kg MASS	15 minutes @ 77°F (25°C)	
NORMAL WORKING TIME[1]	30 minutes	

[1] Changes in ambient temperature will change working time, increased temperatures will recuce working time, decreased temperatures will extend working time.

	PART A	PART B	MIXED
SOLIDS CONTENT, x VOLUME	100%	80%	90%
SOLIDS CONTENT x WEIGHT	100%	80%	90%
DENSITY (kg/L)	1.06	1.12	1.10
RECOMMENDED THINNER	None, do not thin product		
DRYING TIMES			
TACK-FREE	4 hours		
TO RECOAT	Within 24 hours[2]		
FOOT TRAFFIC	6 hours		
HEAVY WHEELED TRAFFIC	48 hours		
FULL CURE	4 - 7 days		
ABRASION RESISTANCE, ASTM D4060, CS-17/1,000g/1,000 CYCLES	25 mg loss		
HARDNESS, SHORE D, ASTM D2240	70		
VISCOSITY @ 77°F (25°C)	PART A	PART B	MIXED
	300 - 800 cP	100 - 200 cP	100 - 500 cP
GLOSS, ASTM D523	90+ GU		

[2] If recoat time window is exceeded, surface must be mechanically prepared before subsequent coats.

THINNING

Thinning is not normally required for this product and not recommended.

SURFACE PREPARATION

Applications over PurEpoxy Polyurea Base Coat must be made within 24 hours after application to ensure good adhesion.

For applications direct to concrete, substrates should be cured for a minimum of 30 days and have a minimum compressive strength of 3,000 psi.

Surfaces must be clean, sound and properly prepared. Suitable preparation methods are recirculating abrasive shot-blasting, diamond abrasive grinding. Remove all surface contamination before preparation. All soil, grease, oil or wax, or curing-agents must be removed.

Any preparation method should produce a uniform surface profile of CSP-3 (ICRI Guide 03732,) or greater. Acid etching of concrete is unacceptable and will void Manufacturer's warranty.

Existing compatible coatings may be prepared by sanding or grinding to produce a uniformly open, gloss-free surface.

Do not apply to wet substrates. Test for concrete moisture before application (see Concrete Moisture.)

Thoroughly vacuum prepared surface to remove all dust just prior to application. Protect prepared surface against contamination prior to product application.

CONCRETE MOISTURE

Test for concrete moisture in accordance with ASTM F2170–19. If moisture is indicated to be in excess of 85%, apply PurEpoxy PE-VRM system in accordance with the published technical data sheet.

Alternately, test for excessive concrete moisture in accordance with ASTM F2659. Moisture content of concrete substrate must be ≤ 4 % by mass as measured with a Tramex® CME/CMExpert type concrete moisture meter on prepared surface. Do not apply to concrete substrate with moisture levels > 4 %. If moisture content of concrete substrate is > 4 %, use **PurEpoxy PE-VRM** system in accordance with the published technical data sheet.

MIXING

Precondition all components for 24 hours to ambient temperatures. In clean mixing pail, mix measured parts. For clear mix, (1A : 1B). Mechanically mix only, do not mix by hand. Do not mix more material than can be applied in the working time window. Using a Jiffy/Jiffler, or similar type mixing attachment, slowly mix the components being careful not to introduce excessive air.

Mix for 3 minutes. Ensure all material is scraped by side wall and bottom of mixing container. Apply material to floor immediately after mixing. Delay in distributing product will result in exothermic heat buildup in container.

Do not mix or apply product below ambient dew point, introduction of moisture will shorten pot life and working time.

APPLICATION

The recommended application method is the use of non-marking rubber squeegee and roller application. 18-inch rollers are recommended on larger area floors to reduce lap marks. Roller should have solvent-resistant phenolic core, high quality non-shedding fiber covers. Use 1/4-inch to 3/8-inch nap, depending on final finish and thickness desired. Quality brushes or wall-edgers may be used for cutting in margins.

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APPLICATION, cont.

Distribute material evenly with non-marking (gray EPDM type, or similar) rubber flat squeegee. Apply even film at desired thickness. Roll material in two directions to achieve uniform film. Finish roll in one direction, typically at right angles to primary sight-line when entering room.

- Avoid puddles of material
- Do not apply above recommended thickness

CLEAN UP

Clean tools with appropriate solvent before curing. Cured material is very difficult to remove. Clean any spills and splashes before curing.

LIMITATIONS

- Prior to application, measure and confirm the ambient temperature and humidity conditions of air and substrate
- Measure and confirm temperature of material. Precondition material for 24 hours prior to mixing
- Minimum/Maximum substrate temperature at application: 65°F (18°C) / 85°F (30°C)
- Maximum relative humidity during application and curing : 80% High humidity will accelerate cure time
- Extremely low relative humidity (<30%) will delay curing times
- Substrate must be 5°F (3°C) above dew point. Ensure conditions will not change during application and curing
- Observe concrete moisture limitations stated in Concrete Moisture section
- On porous, non-concrete substrates, ensure that there will be no moisture penetration on positive side
- Protect from moisture and condensation for 24 hours after application
- Do not apply to substrates exhibiting or tested positive for alkali silica reaction (ASR)
- Do not use propane or kerosene fueled heaters. Permanent discoloration of coating may occur
- For professional use only by experienced personnel

HEALTH & SAFETY

Read and fully understand all of these instructions before beginning mixing and application. Read and understand product SDS and other safety warnings.

Obtain and wear all required personal protection equipment (PPE.)

In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse.

• KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN
• NOT FOR INTERNAL CONSUMPTION

Prior to each use of any product manufactured by A.P Nonweiler/PurEpoxy, its subsidiaries or affiliates, the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at https://purepoxy.com/documentations/ or by calling A.P Nonweiler. Nothing contained in any A.P Nonweiler/PureEpoxy literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the A.P. Nonweiler/PurEpoxy product.

WARRANTY STATEMENT

AP Nonweiler/PurEpoxy (“we,” “us,” or “our”) warrants this product for one year from the date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product’s shelf life. User determines suitability of product for intended use and assumes all risks. User’s and/or buyer’s sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. No warranty shall be in effect until our Terms and Conditions of Sales are met in full. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL WE OR OUR AFFILIATES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY NATURE, REGARDLESS OF THE FORM OF ACTION OR THEORY OF LAW, INCLUDING, WITHOUT LIMITATION, BREACH OF ANY OBLIGATION OR WARRANTY IMPOSED ON US HEREUNDER OR IN CONNECTION HEREWITH. AP Nonweiler/PurEpoxy SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. AP Nonweiler/PurEpoxy SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

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