

PE SUPRAFLOW - LOW VISCOSITY - HIGH GLOSS EPOXY CLEAR

DESCRIPTION

PE SUPRAFLOW is a two-component, low-viscosity clear epoxy topcoat system designed to showcase and protect decorative flooring effects below. With superior flow and self-leveling properties, **PE SUPRAFLOW** ensures smooth, even coverage while enhancing the depth and brilliance of metallic layers beneath. Its crystal-clear formula provides superior substrate wetting and a high-gloss finish, resulting in beautiful, long-lasting floors that amplify the visual impact of specialty effects.

Our low viscosity epoxy, when mixed with mica pearlescent powder or PurEpoxy pigment concentrate, creates captivating metallic 3D effect on floors.

ADVANTAGES

- Low viscosity formulation for optimal flow and substrate wetting
- Extended working time
- Easy mica pearlescent incorporation, preventing comets
- Adheres well to PE100 basecoat and itself
- Low VOC content
- Low odor

RECOMMENDED USES

- High gloss topcoat finish
- Versatile decorative applications: liquid metal, marble, or flowing water effects
- Retail stores and boutiques
- Event spaces & showrooms
- Bars and restaurants

PACKAGING		3 ga. Kit 15 ga. Kit 3 ga. (4.2 ga. package) Ready Mix Kit
COLOR		PART A: Clear PART B: Clear to yellowish
RECOMMENDED THICKNESS	PRIMER (PE100)	FINISH COAT (PE100)
SOLID COLOR	10 mils WFT (150 sq.ft. /ga.)	16 mils WFT (150 sq.ft. /ga.)
FLAKES SYSTEM	10 mils WFT (150 sq.ft. /ga.)	13 mils WFT (150 sq.ft. /ga.)
METALLIC SYSTEM	10 mils WFT (150 sq.ft. /ga.)	40 mils WFT (150 sq.ft. /ga.)
SHELF LIFE	12 months in original unopened factory sealed containers. Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards.	
MIX RATIO, BY VOLUME	A:B = 2:1	
POT LIFE 16 OZ (454 G)	10-15 minutes @ 77°F (25°C)	
WORKING TIME	40 minutes	
VOC	1.74 g/L	

PROPERTIES

@ 73°F (23°C) AND 50% RH.

SOLIDS CONTENT, BY VOLUME		100%		
RECOAT WINDOW	SUBSTRATE TEMPERATURE	MINIMUM	MAXIMUM	
BEFORE APPLYING PE100 OVER PRIMER	> 50°F (10°C)	24 hours	3 days	
	> 68°F (20°C)	12 hours	2 days	
	> 86°F (30°C)	6 hours	1 day	
BEFORE APPLYING SECOND COAT OF PE100	> 50°F (10°C)	30 hours	3 days	
	> 68°F (20°C)	24 hours	2 days	
	> 86°F (30°C)	16 hours	1 day	
CURE TIME	SUBSTRATE TEMPERATURE	FOOT TRAFFIC	LIGHT TRAFFIC	FULL CURE
	> 50°F (10°C)	30 hours	5 days	10 days
	> 68°F (20°C)	24 hours	3 days	7 days
	> 86°F (30°C)	16 hours	2 days	5 days
SERVICE TEMPERATURE		4°F to 122°F (20°C to 50°C)		

*Times are approximate and will be affected by changing ambient conditions, especially changes in temperature and relative humidity.

BOND RESISTANCE (PSI), ASTM D4541		> 300 (substrate ruptures)	
HARDNESS (SHORE D), ASTM D2240		80	
TABER ABRASION D4060 (MG LOSS, 1000G, 1000 CYCLES)		51.5 g	
VISCOSITY @ 77°F (25°C)	PART A	PART B	MIX
	1000-1500	150-350	600-900
FLAMMABILITY		Class I (Not considered Flammable, Flash Point > 199.4°F (93°C))	
RESISTANCE TO MOLD GROWTH, ASTM D3273		Rated 10 (highest resistance)	
RESISTANCE TO FUNGI GROWTH, ASTM G21		Rated 0 (no growth)	

*The indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same mile.

SURFACE PREPARATION

- Concrete substrates should be cured for a minimum of 30 days and have a min. compressive strength of 3,000 psi.
- Achieving optimal adhesion requires a clean, mechanically prepared substrate. Surfaces must be clean, sound and properly prepared.
- Substrate must have minimum Concrete Surface Profile (CSP) of 3-4.
- Do not apply to wet or damp substrates.
- Test for concrete moisture before application (see Concrete Moisture.)
- Remove all surface dust just prior to application. Protect prepared surface against contamination.

APPLICATION

Apply mixed product on the prepared surface tightly (thin film) using a rubber rake and pass a roller to obtain a uniform coating. Avoid creating puddles.

MIXING

- Precondition all components for 24 hours to ambient temperatures.
- In clean mixing pail, mix entire units, (2)A & (1)B.
- Units are premeasured for correct ratio, do not break down units, product performance will be effected.
- Mechanically mix only, do not mix by hand.
- Do not mix more material than can be distributed and 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.

CLEANING

Clean all tools and materials with the cleaner/thinner for epoxies. Wash hands and skin carefully with warm soapy water. Once product has hardened, it may only be removed through mechanical means.

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.
- Do not allow material to freeze. Frozen material cannot be recovered and must be disposed of.
- Minimum/Maximum substrate temperature at application: 45°F (7.2°C) / 85°F (30°C).
- Maximum relative humidity during application and curing: 80%.
- 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.
- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**

Prior to use of any product manufactured by APN Specialty Coatings, 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/> or by calling 920-231-0850.

HEATH & SAFETY

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.

WARRANTY STATEMENT

APN Specialty Coatings Inc. warrants that products delivered to purchasers are manufactured free from material defects and workmanship flaws in accordance with APN Specialty Coatings Inc. published specifications, provided installation follows APN Specialty Coatings Inc. recommended procedures. APN Specialty Coatings Inc. disclaims liability for any damages arising from improper product usage that deviates from its intended purpose or fails to comply with APN Specialty Coatings Inc. installation standards. APN Specialty Coatings Inc. assumes no liability regarding product installation and processing methods. This technical data information serves as general reference material only. Prior to any installation work, please reach out to your regional PurEpoxy Representative or contact our Technical Service team for professional guidance.