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AG257X ARMORGARAGE

CHEMICAL RESISTANT NOVOLAC BASECOAT

PRODUCT DESCRIPTION

AG257X is a two-component novolac epoxy basecoat in colors. AG257X offers high solids, good substrate penetration, and low odor. This basecaot reduces air release generation from the substrate when applying higher-solids novolac topcoats, resulting in fewer surface imperfections in high-build and self-leveling type coatings.

Recommended as: Two coat primary coating system for floors with low level exposures such as battery charging rooms or caustic wasdown areas. Also for priming concrete prior to applying our extra heavy duty novolac topcoat. When topcoated, ideal for chemical containment areas, bund flooring, semiconductor fabs, chemical processing plants, and any environment with chemical exposure risks. Please refer to our Chemical & Acid Guide for full list.

Chemical Resistance	Low Odor	Super Durable	Roll-On Application

TECHNICAL DATA

Property	Value	Property	Value
SOLIDS BY WEIGHT:	85%	**HARDNESS:**	Not specified (primer coat)
SOLIDS BY VOLUME:	80%	**ADHESION:**	375 psi (concrete failure, no delam)
VOC CONTENT:	< 183 g/L (mixed)	**IMPACT:**	Gardner 50 in-lb direct (passed)
FILM THICKNESS:	5–6 mils/coat (yields 4–5 mils dry)	**ABRASION:**	Taber CS-17 / 500 cyc = 26.1 mg loss
MIX RATIO:	2 Parts A : 1 Part B by volume	**FINISH:**	Satin gloss (>20 @ 60°)
VISCOSITY:	250–500 cps (mixed)	**COVERAGE:**	275–300 sf/gal per coat
SHELF LIFE:	1 year in unopened containers	**COLORS:**	Lt Gray, Med Gray, Tile Red
FLEXIBILITY:	No cracks on 1/8" mandrel	**PRIMERS:**	None required
DOT:	Flammable Liquid N.O.S., 3, UN1993, PGIII	**TOPCOAT:**	AG253X Novolac Topcoat (recommended)

KEY FEATURES

Chemical Resistant Acids, solvents, caustics	**Low Odor** Comfortable indoor application	**Super Durable** High chemical durability	**Roll-On Application** 3/8" nap roller
Substrate Penetration Deep concrete bonding	**Superior Adhesion** 375 psi bond strength	**Novolac Formula** Advanced resin technology	**85% High Solids** Maximum film build

CURE SCHEDULE

Stage	Time	Notes
Pot Life (1.5 gal)	1–3 hours	Working time after mixing
Tack Free	4–7 hours	Dry to touch
Recoat or Topcoat	7–10 hours	Thumb test: no fingerprint
Light Foot Traffic	12–24 hours	No heavy objects or vehicles
Full Cure	2–7 days	Chemical exposure and heavy traffic
Application Temp	60–90°F	Relative humidity below 90%

CHEMICAL RESISTANCE

Chemical	Rating	Chemical	Rating
Acetic Acid, 5%	D	10% Sodium Hydroxide	E
Xylene	D	50% Sodium Hydroxide	E
Toluene	D	10% Sulfuric Acid	E
1,1,1 Trichloroethane	C	10% Hydrochloric Acid	E
MEK	C	20% Nitric Acid	C
Methyl Alcohol	C	Ethylene Glycol	E
Gasoline	D		

Rating Key: A – Not recommended | B – 2-hr splash/spill | C – 8-hr splash/spill | D – 72-hr immersion | E – Long-term immersion.

PRODUCT STORAGE

Store product at normal room temperature. Continuous storage should be between 60°F and 90°F. Low temperatures or great temperature fluctuations may cause product crystallization.

SURFACE PREPARATION

Mechanically diamond grind or acid etch to a suitable profile. CSP2 is recommended. All dirt, oil, dust, foreign contaminants, and laitance must be removed.Neutralize with TSP after acid etching. Etch new concrete twice.

- Perform moisture test: place a 4’ × 4’ plastic sheet on the substrate, tape edges; if dry after 24 hours, substrate is suitable. If moisture is present contact us for guidance.
- This test also identifies hydrostatic pressure problems.

PRODUCT MIXING

Mix ratio: 9.95 lb Part A to 4.15 lb Part B by weight (2:1 by volume). Combine both components and mix with slow-speed equipment (jiffy mixer) until thoroughly mixed and streak-free. Improper mixing may result in product failure.

PRODUCT APPLICATION

Apply by brush or 3/8" nap roller. Maintain temperature and humidity within recommended ranges during application and curing. Improper mixing or applying too thick can cause product failure. If using non-skid additive, broadcast directly onto wet coating of second coat and back roll. Medium broadcast rate of aluminum oxide: 1 lb per 100 sf.

RECOATING OR TOPCOATING

This is a basecoat; can be topcoated with AG253X Novolac Topcoat. Before recoating, verify solvents have evaporated: press with thumb to confirm no fingerprint impression remains. Colder temperatures require longer cure before recoating. Check for epoxy blush (whitish, greasy film or deglossing); remove with standard detergent cleaner before topcoating. Two coats of AG257X are required, one coat is suitable if topcoating.

CLEANUP / RESTRICTIONS

Cleanup: Use xylol during application. For floor cleaning, test each cleaner in a small area first. Some cleaners may affect the color of the installed coating.

Restrictions: Restrict to light traffic and non-harsh chemicals until fully cured. Keep floor dry through the full cure cycle. Surface may be slippery when wet or contaminated; keep clean and dry.

LIMITATIONS

This product should be topcoated with a suitable novolac epoxy topcoat. Colors may be affected by high humidity, low temperature, or chemical exposure. For best results use a 3/8" nap roller. Slab on grade requires moisture barrier. Substrate temperature must be 5°F above dew point. All new concrete must be cured for at least 30 days. Colors may vary from batch to batch; use only product from the same batch for an entire job. Physical properties are typical values and not specifications.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information is not a representation or warranty. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE THAT OUR PRODUCT SHALL BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE. Our liability is limited to the net selling price or replacement of our product, at our option.

Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.

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