



NO PREP PRIMER

SOL-GEL BASED FUSION PRIMER

PRODUCT DESCRIPTION

Armor No Prep Primer is a single component, spray on sol-gel based fusion primer that functions as an intercoat adhesion primer or direct to substrate primer. No Prep Primer creates a molecular bridge between a coating and the substrate, chemically fusing substrate and top coat. Armor No Prep is very compatible with many surfaces, and many coatings, though water-based coatings are not compatible as top coats. When used on concrete substrates, as long as concrete is clean and free of bond breakers such as oils, greases, etc., no grinding or surface profile is needed to achieve strong chemical bond to surface.

FEATURES

- REMOVES THE NEED TO GRIND, SAND OR PROFILE SUBSTRATES OR COATINGS BEFORE TOP COATING.
- PROVIDES STRONG BONDING TO THE HARD TO BOND OR LOW/NO PROFILE SURFACES
- 90 MINUTE OVERCOAT WINDOW. IF WINDOW IS MISSED, RUN A SCREEN OR LIGHT ABRASION AND REAPPLY
- PROVIDES CHEMICAL BONDING TO SUBSTRATE AND BECOMES ONE WITH THE SURFACE THEY ARE APPLIED TO
- CAN BE USED ON POROUS AND NON-POROUS SUBSTRATES – CONCRETE, STONES, TILE, PORCELAIN, GLASS
- SINGLE COMPONENT, SPRAY DOWN PRIMER
- UV STABLE AND VIRTUALLY INVISIBLE

USES

- Serves as adhesion layer between coating and substrate, or between two coatings
- Can be applied on coated or uncoated concrete, rubber, plastic, fiberglass and glass, porcelain, painted or unpainted iron; aluminum, copper and other metals; hot rolled steel, cold rolled steel, stainless steel; powdercoated and galvanized surfaces

STORAGE

12-18 months in factory delivered, unopened drums. Store on pallets and keep away from extreme heat, freezing, and moisture. Store at temperatures between 50 °F and 80 °F (10 °C and 27 °C).

COLORS

Clear to slight straw yellow

PACKAGING

1 gallon buckets, 5 gallon pails, 55 gallon drums

COVERAGE

Calculation for theoretical coverage: 300 – 400 Ft² /gal @ Recommended spread rate 4 – 5 mils Wet, 0.4 – 0.9 mils Dry

MIXING

Ready to use. There is no need for mixing or diluting.

TECHNICAL DATA All values @ 77 °F / 25 °C

VOLATILE ORGANIC COMPOUNDS (ASTM D2369)

THEORETICAL COVERAGE

SPECIFIC GRAVITY OF MATERIALS (ASTM D792)

SHELF LIFE @ 77 °F /25 °C

FLASH POINT - PENSKY MARTIN

APPLICATION TEMPERATURE

TOUCH DRY

DRY THROUGH

RECOAT INTERVAL

US

< 1.25 LB./GAL

300 – 400 FT² /GAL @ 0.4-0.9 MILS DFT

7.3 LBS./GAL

12 MONTHS

<77 °F

45 – 104 °F

90 MINUTES

120 MINUTES

5-90 MINUTES

METRIC

< 150 GM/ LITER

22-37 M²/LITER @ 10-23MICRONS

0.87 KG/ LITER

12 MONTHS

< 25 °C

7 – 40 °C

PROPERTIES AND VALUES ARE HIGHLY DEPENDENT ON EQUIPMENT, SPRAY GUN, MIX CHAMBER TEMPERATURE, PRESSURE AND RELATED PARAMETERS. VALUES ARE SLIGHTLY DIFFERENT FOR CLEAR. VARIATIONS ARE POSSIBLE AND EXPECTED.



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SURFACE PREPARATION

PREPARATION

Protect all surfaces not designated for coating application. Do not apply to surfaces that are frozen, dirty, or have standing water, grease, oil or other contaminants. Intended surfaces must be clean, dry and absorbent. Confirm surface absorbency with a light water spray - intended surface should wet uniformly. If surface does not wet uniformly, use a recommended cleaner, auto scrubber, power washer or other process to remove surface contaminants. Surface must be clean and dry prior to application.

NEW CONCRETE

Remove all dust, debris and other contaminants from the surface. If concrete is less than 28 days old, Armor Green HLT must be used prior to No Prep Primer. With Armor Green HLT new concrete can be coated 96 hours after pour. Refer to Armor Green HLT application instructions and TDS for how to install properly.

EXISTING CONCRETE

Intended surface must be clean, dry and structurally sound. Remove any and all contaminants including bond breakers, surface grease and oil, dust and construction debris. For larger surface areas, use an autoscrubber with an appropriate cleaner. Surface must be dry prior to application of Armorpoxy products.

SURFACE & AIR TEMPERATURE

45 - 105F (7 - 40C)

EQUIPMENT

For horizontal substrates, use an acetone-proof pump sprayer with a cone tip. For vertical/upright substrates, use an HVLP spray gun.

STORAGE & HANDLING

Store in a cool, dry place <80F. Always seal container after dispensing. Published shelf life assumes upright storage of factory-sealed containers in a dry place <80F.

PRE-APPLICATION

Before use, read Preparation, Hazard and Precautionary Statements. ALWAYS TEST using the equipment and procedures prior to starting the job.

TYPICAL COVERAGE RATES (SQUARE/FEET)

Smooth Concrete 500-600 | Concrete Block 200-250 | Broom Finish 250-300 | Concrete Pavers 250-300
Diamond Grind 150-250 | Concrete Slab 250-300

Coverage rates will vary based on substrate porosity and application method

HORIZONTAL SURFACES

Ensure surface is free of any dust, debris and other contaminants. Solvent wipe with Acetone prior to application of No Prep Primer. If solvent wipe pad appears black/very dirty after wipe, surface is not clean and must be cleaned with an auto-scrubber and an appropriate cleaner/degreaser. Once surface is clean and dry, No Prep Primer application may begin. Use an acetone proof pump sprayer, ex. Swissmex, with a cone tip. Keep spray tip 18 inches off the ground and apply product slowly in a circular motion, similar to how a stain is sprayed on concrete. On broom finished, troweled, ground or non-polished concrete, spray at least two coats wet on wet, 3-4 mils WFT each. Apply with a 50% overlap, keeping a wet edge while applying. Observe how the concrete absorbs the first coat for at least 5 minutes. If the surface still looks the same as before the No Prep Primer application and not wet/saturated, additional coats are required in the dry, non-enhanced areas. Concrete must be saturated for No Prep Primer to work properly.

APPLICATION

Once concrete is saturated, wait at least 15 minutes for No Prep Primer to become tacky. Once tacky, No Prep Primer may be over coated with non-water based coatings. Do not apply over coat until No Prep Primer is tacky. Failure to wait until tacky will result in fish eyes, over coat shrinking away from coating perimeter, and poor finish of top coat. Once No Prep Primer is tacky, you have 90 minutes to apply over coat. If overcoat window is missed, screen floor and reapply No Prep Primer.



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VERTICAL SURFACES

Ensure surface is free of any dust, debris and other contaminants. Once surface is clean and dry, No Prep Primer application may begin. Use an HVLP spray gun set to 25 PSI, with a 1 inch by 8 inch elongated, vertical spray pattern. On broom finished, troweled, or non-polished concrete, spray at least two coats wet on wet, 3-4 mils WFT each at least 3 minutes apart to observe how concrete absorbs No Prep Primer. Apply with a 50% overlap and, keeping a wet edge while applying. Observe how the concrete absorbs the first coat. If the surface still looks the same as before the No Prep Primer application and not wet/saturated, additional coats are required in the dry, non-enhanced areas. Concrete must be saturated and feel tacky after No Prep Primer application for No Prep Primer to work properly.

RETURN TO SERVICE TIME

Refer to over coat manufacturer's return to service/dry times. Wait at least 3 days before exposing to vehicular traffic.

HAZARD STATEMENTS

IN CASE OF FIRE

Use dry chemical, alcohol foam or carbon dioxide extinguisher. Water spray may be used to cool, dilute or disperse vapors. Do not release runoff to drains or waterways. Vapors can flow along surfaces to distant ignition source and flash back. Contact with strong oxidizers may cause fire. Closed containers may explode when exposed to extreme heat. This material may produce a floating fire hazards sensitive to static discharge.

ACCIDENTAL RELEASE MEASURES

Dike area to prevent spreading. Ventilate area of leak or spill. Remove all sources of ignition. Collect liquid in an appropriate container or inert absorbent material. Do not flush to sewer. Dispose of chemical waste in accordance with current local, state and federal regulations.

OTHER PRECAUTIONS

Store in cool (below 100F) ventilated area, away from children, food stuffs, strong oxidizers, heat sparks, flames and all sources of ignition. Keep container tightly sealed when not in use. Do not apply heat, cut, drill, and grind or weld on or near this container. Use respiratory protection when misting or spraying. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Provide ventilation with positive fresh air exhaust in work area. OSHA 1910.134 and ANSI Z88.2. Avoid skin contact. Wear butyl rubber gloves and impervious protective clothing. Do not wear contact lenses. Chemical safety goggles or splash shields recommended. Do not eat or drink when using this product. Wash hands thoroughly after handling. Dispose of in accordance with local, state, federal and international regulations

EQUIPMENT CLEAN UP

Clean tools and flush out spray equipment with acetone within 15 minutes after application. Once product cures, it can not be removed from spray equipment. After one flush out, repeat for 2 total flushes.

LIMITATIONS

As treated and untreated surfaces look similar, finish work on an obvious point such as a corner or mark where you have stopped. When you start work again you can apply over the dry edge without sanding.

WARRANTIES AND DISCLAIMERS

ARMORPOXY, INC. WARRANTS THAT THIS PRODUCT SHALL CONFORM TO THE TECHNICAL SPECIFICATIONS PUBLISHED IN THE PRODUCT LITERATURE. THE QUALITY AND FITNESS OF THE PRODUCT IS DEPENDENT UPON THE PROPER USE AND APPLICATION OF THE PRODUCT BY THE APPLICATOR. ARMORPOXY COATING SYSTEMS HAS NO ROLE IN THE APPLICATION OF THE FINISHED POLYMER OTHER THAN TO MANUFACTURE AND SUPPLY ITS COMPONENTS. IT IS VITAL THAT THE PERSON APPLYING THIS PRODUCT UNDERSTANDS THE PRODUCT AND IS FULLY TRAINED AND CERTIFIED IN THE USE OF SPRAY EQUIPMENT AND APPLICATION OF SOL-GEL MATERIALS. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS INSTRUMENT, EXCEPT WHEN PROVIDED IN WRITING, DIRECTLY BY ARMORPOXY COATING SYSTEMS AND EXECUTED UNDER SEAL BY A COMPANY OFFICER.