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PRODUCT DESCRIPTION - xGen Coating System's X-PROTECT Vinyl & Linoleum is a premium two-component, water reducible, non-yellowing system. X-PROTECT Vinyl & Linoleum provides outstanding coverage, excellent durability, and ease of application as well as being a low VOC and EPA compliant coating. X-PROTECT Vinyl & Linoleum yields a high gloss and is UV, abrasion, and chemical resistant while retaining good flexibility. X-PROTECT Vinyl & Linoleum offers superior adhesion and has film properties that rival most solvent based catalyzed Acrylic systems. Formulated for use on commercial interior floors as an alternative to traditional wax / acrylic floor finishes for common floor types such as VCT, sheet vinyl, and linoleum.

ENVIRONMENTAL ADVANTAGES - xGen Coating System's X-PROTECT Vinyl & Linoleum is considered non-hazardous by EPA definitions and does not contain lead or chromates. X-PROTECT Vinyl & Linoleum has characteristics that have been proven to inhibit the growth of various mildew and bacteria for proper handling.

CHARACTERISTICS

- Excellent exterior durability
- Non-photochemically reactive
- Full gloss: 88% at 60° glossometer
- Excellent hardness/impact resistance
- Excellent adhesion, mar, and abrasion resistance
- Linear flexibility is excellent on substrates such as Lexan, vinyl, fiberglass, and fiberglass
- Excellent retention of gloss in 1,000 hour QUV weatherometer
- Pot life 1-2 hours
- Water is used for clean-up
- Non-Hazardous
- Shelf life of 1 year
- Non-Flammable

RECOMMENDED USES

- Vinyl
- Fiberglass
- Plastics
- Lexan

AIR QUALITY DATA

- VOC (Volatile Organic Compounds) 0.3 lb/gal, 36 gm/ltr when catalyzed
 VOC's Part A: 0.278 lb/gal, 33. gm/ltr
 VOC's Part B: 0.017 lb/gal, 3gm/ltr
- Free of lead and chromates
- Non-photochemically reactive

PRODUCT DATA & SPECIFICATION

- Product Type: Acrylic Urethane
- Gloss: 88% @ 60°
- Theoretical Coverage @ 1 mil dry: 700 sq ft
- Practical Coverage: 530 – 600 sq ft
- Recommended Film Thickness: 1 to 2 mil dry
- Dry Time:
 - Dust Free - 20 mins
 - Walk On - 24 hours
- Can walk on within 12 hours with forced air cure, not to exceed 120°F
- Clean up with Soap and Water
- Liquid
- Specific Gravity: >1
- Vapor Density: Heavier than air
- Evaporation Rate: Slower than ether
- VOC: 0.3 lb/gal, 36 gm/ltr
- Boiling Point: 340°F (171oC)
- % Solid by weight: 43% when catalyzed
- % Solid by volume: 41% when catalyzed
- Weight per gallon: 8.29lbs
- Flash Point: 320°F CC



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INSPECTION & PREPARATION

Follow all precautions and instructions prior to application.

1. Substrate must be free of curing membrane, silicate surface hardener, paint, oil, dirt, waxes or sealer and be structurally sound. If you suspect the surface has been treated or sealed, prepare substrate for complete removal of treatment.
2. Testing for moisture is important, however it does not guarantee against future problems. If there is no vapor barrier or the vapor barrier is damaged, this can contribute to floor failure. Contamination such as oils, chemicals, excessive salts or Alkali Silica Reaction (ASR) may also contribute to floor failure.
3. Recoating - Sanding or Conditioning Pad needed to create an adequate profile for adhesion.

MIXING INSTRUCTIONS (72°, 50% R.H.)

1. Mix Part A well prior to adding in Part B.
2. Mix together 3 parts A with 1 part B by volume. This mixture will be thick and creamy.
3. Allow the mixture to “sweat-in” for 5 minutes.
4. Stir in approximately ½ to 1 part clean tap water until the viscosity is 18-25 seconds with a Zahn #2 viscosity cup.
5. Normal pot life is 2 hours. In areas of high temperature and humidity, the pot life will be less.

APPLICATION INSTRUCTIONS

Please Note: Applying X-PROTECT Vinyl & Linoleum outside of the suggested parameters may result in job failure. It is always recommended to test the product in a small, inconspicuous area (on the same substrate) for desired results prior to application. Coverage rates may vary for all substrates depending on porosity, density, texture etc.

ROLLED APPLICATION:

1. Be sure ALL surfaces are prepared and ALL application tools and products are ready prior to mixing. Tools include: Mixing buckets, T-bar, MOHAIR roller pads for T-Bar and roller handles, MOHAIR applicator pads (for corners and touch-ups).
2. Thinly apply to clean surface using a 12” or larger T-Bar applicator. When mixed, begin by pouring a line about 2-3 inches wide onto the clean surface. Place the T-Bar applicator on the surface at an angle and spread the product so it runs in front of the applicator in a snowplow like motion. Be sure to always keep product in front of the applicator. (Remember to continually mix product before and while applying to any surface! This will ensure that all solids remain suspended in the sealer.) Be sure to apply product all the way to the edges and corners.
3. After 2 or 3 passes with the T-Bar applicator begin the back-rolling process. Be sure to remove any excess sealer from deep pits with a quality paint brush or the roller. Allowing excess material to remain in these areas may result in foaming or small bubbles. Using a 1/4” mohair roller, roll over the previously spread product to evenly distribute product and remove any lines left by the T-Bar in the previous step. **MAKE SURE TO BACK ROLL THE FINISH WITHIN 1-2 MUNITUES OF BEING SPREAD. THE FINISH WILL BEGIN TO DRY QUICKLY.** Repeat steps 3 and 4 until all surfaces are coated.
4. To Re-Coat or apply a maintenance coat,(after 36 hours) scuff surface using a maroon conditioning pad dry or damp to dull and condition the surface. This is a necessary step between ALL successive coats.





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SPRAY APPLICATION:

1. The first coat of X-PROTECT Vinyl & Linoleum should be applied as a very light fog/tack coat. Primer should still be visible.
2. After the fog/tack coat, wait about 30 seconds, and then apply a medium wet coat. This will color the entire surface lightly.
3. When this coat is sticky to the touch (approximately 8-10 minutes), apply a full wet coat.
4. Allow 8-12 hours curing time before removing masking tape if needed.
5. X-PROTECT Vinyl & Linoleum will be dust free in about 30 minutes. Dry to the touch 1-2 hours. Force curing can be accomplished with rapid air movement over the substrate. Do not force-cure with heat over 120°F
6. It is possible to stripe or re-coat up to 10 days without sanding the surface. After 10 days lightly scuff sand the surface to be repainted.

CLEAN-UP WITH WATER:

Clean paint gun immediately with water. If the paint dries, solvents may have to be used for clean up. If the spray equipment is not stainless steel, the equipment may have to be taken apart and air-dried.

WEATHEROMETER:

QUV testing was performed using the following cycles: 4 hours UV @131°F/55°C, followed by 4 hours of condensation @ 104°F/40°C with 30-minute cooling/dry off cycle.

WARRANTY

The technical data contained herein is accurate to the best of our knowledge. xGen Coating System warrants that coatings represented herein meet their formulation standards. No other warranty is expressed or implied, including warranties of merchantability and fitness for a particular purpose. Published technical data and instructions are subject to change without notice. Contact your XGen Coating System's Representative for current technical data and instructions.

