POLY ARMOUR 80 SC

80% Solids, Polyaspartic Polyurea

Product Description

Poly Armour 80 SC is a stand above all, two component polyaspartic aliphatic polyuria utilizing innovative proprietary nanotechnology. It provides a high gloss clear coating. Its superior penetration and bonding strength can provide years of abrasion, impact, and wear resistance. Poly Armour 80 SC yields chemical splash and spill resistance and hot tire pick up resistance much like its epoxy counterpart.

Benefits & Features

- Excellent long term wear capabilities allow for longer life without re-coating
- Slower dry time provides more working time, which can prove to be invaluable in warmer climates
- UV stability allows this to be used in areas saturated by the sun throughout the day
- Can be tinted for solid color applications with Armour Tint
- VOC complaint for most areas in the US and Canada

Technical Information

Solids/Active Content, Percentage by weight	80% +/- 1%
Dry Time - Tack Free	9 - 12 hours
Dry Time - Foot Traffic	12 - 15 hours
Dry Time - Heavy Traffic	36 - 48 hours
Recoat Time Window	9 - 24 hours
Application Temperature	50^{o}F - 80^{o}F
VOC (Volatile Organic Compound) Content	Less than 250 grams/Liter
Appearance - Wet	Clear (may show slight haze)
Appearance - Dry	Clear and High Gloss

Specifications/Compliances

Dried coating is USDA accepted; Meets OTC, CARB & LADCO VOC restrictions

Approximate Coverage Rates

First coat: 200 - 300 square feet per gallon; Optional Second Coat: 250 - 350 square feet per gallon

Shelf Life

Up to one year from manufacture date in its original, unopened container stored at room temperature

Packaging

Available in 2 gallon and 10 gallon kits

ORRVILLE
133 North Kohler Road
Orrville, Ohio 44667
(330) 682-5678

CLEVELAND
7941 Granger Road
Cleveland, Ohio 44125
(216) 573-0770

COLUMBUS
690 Harrison Drive
Columbus, Ohio 43204
(614) 253-3326

POLY ARMOUR

www.eco-cretesupply.com

Instructions for Use

Preparation: The concrete surface must be deemed mechanically and structurally sound, completely clean and dry. To achieve the above desired results, a mechanical grinding method should be performed to an approximate 50-100 grit profile to insure flatness of the substrate, to remove surface impurities, and to profile the surface of the floor to a CSP-2, as recommended by the ICRI Technical Guideline No. 03732.

Substrate and air temperature must be no less than 40°F and not exceed 80°F. If applied outside these limits the sealer may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing. Note that in direct sunlight, substrate temperature can exceed 150°F which can cause extreme bubbling issues.

Mixing: If mixing less than a full kit, mix Part A & Part B separately wit a stir stick, low speed mixer or vigorously shake container prior to blending the smaller kit to ensure uniform distribution of all ingredients. Proper mixing is pertinent to application success. In equal parts (1:1), mix Part A and Part B using a clean, dry working pot (mixing container). Stir contents approximately 30-60 seconds. Avoid over mixing or creating a vortex which could introduce moisture content to the mixture. No induction time is required prior to use, nor after mixing. If integrating anti-skid media agents, only do so after Parts A & B have been thoroughly mixed.

Pot Life: Expected workable pot life after mixing Part A and Part B is approximately 45-60 minutes at a common temperature range of 70°F - 80°F at roughly 50% relative humidity. Please note that higher temperatures and high percentages of humidity will shorten pot life, as colder temperatures and lower percentages of humidity will extend the coatings pot life.

Application: Application should be completed using a 3/8" synthetic nap, phenolic core roller, or a lambs wool cover for pigmented, stained floors, or media coats. Use a foam squeegee and back roll wit the roller over media floors (quartz or chips). It is recommended to use only 18" wide squeegees and rollers. If considering using airless application method, consult the manufacturer prior to application. Please note that the use of pump-up style spray bottle may create visible bubbles, blisters, and pinholes and is not recommended.

Please note: Applying material outside the suggested parameters may result in product failure. It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. When applying, do not exceed 400 sq.ft. per gallon. Applying too thin of a coating may cause inadequate film formation or performance expectations may be limited. DO NOT USE ON BRICK. Increased temperature will shorten recoat window. Decreased temperature will lengthen recoat window.

Clean-up

Use xylene. Dispose of containers in accordance with local, state and federal regulations.

Precautions & Limitations

- This product will not freeze during storage, however, allow temperature to rise to 50°F prior to application
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed
- If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed
- Keep from open flames. Product is flammable and is very susceptible to ignition
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives
- This product performs best when applied as one or two medium-light coats, not one heavy coat
- Please be aware that this product when cured may be slippery when wet.
- All new concrete must be cured for at least 28 days prior to application
- It is not recommended to thin product. Improper thinning may cause sealer to delaminate in a short time frame
- This product may darken the surface of many new and existing concrete slabs. Test prior to use
- Physical properties listed on this technical data sheet are typical values not specifications

Special Notes

Please consult Safety Data Sheet (SDS) and read warranty information prior to use. This information can be requested by contacting customer service at 330-682-5678.

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