

POLY ARMOUR 90 LOW ODOR

Low Odor, LVLP, 90% Solids, Polyaspartic Polyurea

Product Description

Poly Armour 90 Low Odor is a super low odor polyaspartic polyurea ideal for spaces where time and odor is of great concern. Poly Armour 90 Low Odor utilizes a special blend of low odor solvents to create a unique coating with low viscosity, a long pot life and a fast return to service. Poly Armour 90 Low Odor provides a high gloss clear coating and its superior penetration and bonding strength can provide years of abrasion, impact, and wear resistance.

Benefits & Features

- Super low odor formula provides a pleasant work environment for contractors, clients and neighbors
- Long pot life and quick return to services provides comfort and labor cost savings for contractors
- UV stability allows this to be used in areas saturated by the sun throughout the day
- Can be tinted for solid color applications
- VOC compliant for all areas in the United States and Canada

Technical Information

Solids/Active Content, Percentage by weight	90%
Dry Time - Tack Free	2 - 4 hours
Dry Time - Foot Traffic	3 - 4 hours
Dry Time - Heavy Traffic	24 hours
Recoat Time Window	2 - 18 hours
Application Temperature	50°F - 80°F
VOC (Volatile Organic Compound) Content	Less than 5 grams/Liter
Appearance - Wet	Clear
Appearance - Dry	Clear and High Gloss

Specifications/Compliances

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

Approximate Coverage Rates

First coat: 250 - 300 square feet per gallon; **Optional Second Coat:** 275 - 325 square feet per gallon
Over Media: 175 - 225 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.

Mixing: If mixing less than a full kit, mix Part A & Part B separately with 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 1 - 3 minutes. 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 magic trowel and back roll with 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
- 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
- Solvent vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point

Product Removal

Dried, cured sealer may be removed with a commercial paint stripper, such as Nock Off or by using a diamond grinding method, sandblasting method or similar mechanical action.

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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Extended Technical Data

Pot Life	45 - 60 minutes
Tensile Strength (ASTM D-638)	4,500 to 5,000 psi
Flexibility, 1/8" Mandrel (ASTM D1737)	Pass
Falling Sand Abrasion Resistance (ASTM D-968)	15 - 17 mg loss
Hardness (7 days)	5H - 6H
Heat Resistance	300°F
Water Resistance	Excellent
Gloss 60°	92

Chemical Resistance

R - recommended (little to no visible damage)
 RC - recommended conditional (some effect, swelling or discoloration)
 C - conditional (wash within one hour of exposure to avoid effects)
 NR - not recommended (visible damage will occur)

Urine	R
Xylene	R
MEK	RC
Isopropyl Alcohol	R
Methanol	R
Gasoline	R
Diesel Fuel	R
Skydrol	R
Motor Oil	R
Transmission Fluid	R
Brake Fluid	R
Hydraulic Fluid	R
Water	R
Sugar/Water	R
Chlorinated Water	R
Clorox (10%) Water	R
Vinegar/Water 5%	R
Wine	R
Sodium Hydroxide 25%	R
Muriatic Acid 10%	R
Sulfuric Acid 10%	R
Nitric Acid 10%	NR
Phosphoric Acid 10%	R
Hydrochloric Acid 20%	R

Allow 7 - 14 days for product to fully cure to reach full abrasion and chemical resistance properties

Deco-Crete Supply warrants our products to be of good quality, free of defects and will conform with our published specifications in force on the date of acceptance of the order. As the exclusive remedy for breach of this warranty, we will replace defective materials. Ninety days after Deco-Crete Supply has shipped the products, all our warranty and other duties with respect to the quality of the materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates, and no action for breach of any said duties may thereafter be commenced. No warranty is expressed or implied as to the length of life of this product, or merchantability or fitness. Liability, if any, is limited to the purchase price of the material. Under no circumstance will Deco-Crete Supply be liable for a consequential damage to anyone in excess of the purchase price of the products.

