

HP | HIGH PERFORMANCE

HP4300

100% Solids Epoxy

General Description

HP4300 100% Solids Epoxy is a two-component, high-build epoxy. It is formulated for use as a one or two coat application on interior concrete floors subjected to heavy traffic and aggressive chemicals. HP4300 is self-leveling and will effectively fill minor defects and cracks to create a smooth finish. This product is intended for use by professional contractors, knowledgeable in the use of these types of coating systems. This is a two-component product with a mix ratio of 2:1 for ready mix colors and 1.66:1 for the clear. The kit components are already premeasured to the mix ratio. No measuring required. Do not mix partial kits.

- Self-leveling
- Heavy-duty floor coating
- High-build gloss finish
- Ideal for shot-blasted and scarified floors

Usage

HP4300 100% Solids Epoxy Floor Coating is designed for use on bare or previously coated concrete — interior floor applications only. This product will amber and chalk if exposed to ultraviolet light.

Clear (00), White (01),
Colors Terracotta (22), Sandstone (52),
Silver Gray (70), Battleship Gray (75)

Colorant System Do Not Tint

Technical Data

VOC (Catalyzed)

Docin

Kesin		Ероху	
Pigment		Titanium Dioxide	
Volume Solids (mixed)		99 ± 2%	
Spread Rate Per Gallon		100 – 150 Sq. Ft.	
Recommended Film Thickness	Wet / Dry:	10 – 15 mils	
Depending on surface texture and porosity.			
Dry Time @ 77 °F	To Touch:	6 hours	
(25 °C) @ 50% RH	To Recoat:	12 – 24 hours	
SERVICE TIME: Light Industrial Use: 24 hours.			
Moderate to Heavy	Industrial Use: 7	2 hours	
Recoat after 24 hou	rs: Abrade the su	rface to ensure	
proper inter-coat ad	hesion.		
Surface Temperatur	e Min:	50 °F	
During Application	Max:	100 °F	
Viscosity		93 ± 4 KU	

Flash Point 200 °F (TT-P-141, Method 4293) 80+@60° Sheen / Gloss Clean Up HP7040 Thinner Do Not Thin 2:1 (Colors) Mixed Ratio (by volume) 1.66:1 (Clear) Induction time @ 77 °F (25 °C) NA Pot Life @ 77 °F (25 °C) 30 minutes Weight Per Gallon (mixed) 11.0 lbs. 45 °F **Storage Temperature** 95 °F

26.4 g/L

Surface Preparation

Surfaces must be clean, dry and free of all grease, dirt, dust, oil and wax. Clean all surfaces using HP6000 Oil & Grease Emulsifier. Remove all remaining loose paint, rust and mill scale via Hand Tool Cleaning (SSPC-SP 2) or Power Tool cleaning (SSPC-SP 3). Fill holes and cracks and sand smooth. Glossy surfaces must be fully deglossed.

All masonry surfaces must be allowed to cure a minimum of 30 days before painting. Acid etch or mechanically abrade all slick, glazed concrete or concrete with laitance. For acid etching, follow ASTM D4260 and manufacturer's directions and safety instructions. Follow ASTM D4259 for creating a surface profile by abrasion. Rinse thoroughly and allow to dry. After the concrete floor has been prepared and allowed to dry (measuring 5% or less with a moisture meter), the bare concrete surface should resemble the texture of medium grade sandpaper (80 grit). Apply one coat of HP1550 Concrete and Metal Epoxy Primer or HP1560 Quick Set Epoxy Floor Sealer.

Application

Engya

0.2 lbs./gal

SQUEEGEE APPLICATION:

When using a smooth/notched blade squeegee spread the ribbon of poured material by pulling the squeegee toward the applicator and spread material at a rate not to exceed 150 square feet per gallon. Apply as evenly as possible working from left to right then back again. Do not mix less than full batch/container quantities.

ROLLER APPLICATION:

Using a quality phenolic core cover, between 3/8" and 1/2" nap size, gently spread the ribbon of poured material by lightly working the material back and forth until even. Avoid overworking material; allow product to flow out and self-level. Spread at a rate not to exceed 150 square feet per gallon. Avoid working back into the previously applied epoxy, particularly after ten minutes duration or color variations can occur in the lapped area. Do not mix less than full batch/container quantities. The floor area should be maintained at a minimum surface and ambient air temperature of 50 °F and a maximum of 100 °F throughout the entire recommended dry time. Do not apply if surface temperature is within 5 degrees of dewpoint or if condensation or fog is expected before the product is fully dry.

Not intended for use on vertical surfaces.

Compliance & Certifications

FEDERAL	✓
ОТС	✓
OTC II	✓
CARB02	✓
CARB07	✓
CARB19	✓
UTAH	✓
AZMC	✓
SCAQMD	✓

Eligible for LEED® v4	✓
CDPH Emissions Certified	✓
Eligible for CHPS low emitting credit	1
(Collaborative for High Performance Schools)	•

Suitable for Use in USDA Inspected Facilities

Mixing Instructions

This is a two-component product and is preproportioned for error free mixing. Mix "A" & "B" separately.

- 1.) Carefully empty the entire contents of HP4300.90 Part B catalyst into the can of HP4300 Part A component resin. Part A container is short filled to accept entire contents of Part B catalyst.
- **2.)** Using a drill mixer at low speed, blend this mixture for three to five minutes until completely blended. Keep the mixing blade turning at a slow speed to minimize whipping air into material. Scrape sides of pail during the mixing process.
- **3.)** Do not allow to induct use immediately after mixing

Pot Life: 30 minutes at 77 °F (25 °C)

Limitations

- The area should be maintained at a minimum surface and ambient air Temperature of 50 °F and a maximum of 100 °F throughout the entire recommended dry time.
- Not intended for use on vertical surfaces.
- Interior floor applications only.

Technical Assistance

Available through your local authorized independent Benjamin Moore retailer.

call 1-866-708-9180

visit www.benjaminmoore.com

Clean Up

Wash brushes, rollers, and other painting tools with HP7040 immediately after use

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)		
Fresh Water	Excellent	
Salt Water	Excellent	
Acids	Good	
Alkalis	Good	
Solvents	Excellent	
Fuel	Good	
Acidic Salt Solutions	Excellent	
Alkaline Salt Solutions	Excellent	
eutral Salt Solutions Excellent		

TEST DATA		
Steam Resistance	Yes	
Dry Heat Resistance	300 °F	
Wet Heat Resistance	150 °F	
Adhesion (ASTM D3359)	Pass 5B	
Accelerated Weathering (ASTM G53)	500 hours, no change	
Abrasion Resistance (ASTM D4060) CS-17 Wheel, 1000g load	0.06 g loss after 1000 cycles	
Compression Strength (ASTM C-579)	11,500 psi	

Colors

Part A	HP4300.XX	1.33 gal. (short-filled 2 gal. can)	Total Yield
Part B	HP4300.90	0.66 gal. (short-filled 1 gal. can)	2 gallons
	110 4200 101	2.22 1/1 (511 15 1)	
Part A	HP4300.XX	3.33 gal. (short-filled 5 gal. can)	Total Yield
Part B	HP4300.90	1.67 gal. (short-filled 2 gal. can)	5 gallons

Clear

Part A	HP4300.00	1.1 gal. (short-filled 2 gal. can)	Total Yield
Part B	HP4300.90	0.66 gal. (short-filled 1 gal. can)	1.76 gallons
Part A	HP4300.00	2.75 gal. (short-filled 5 gal. can)	Total Yield
Part B	HP4300.90	1.67 gal. (short-filled 2 gal. can)	4.42 gallons

The components are already premeasured to the proper mix ratio.

Do not mix partial kits.

Environmental Health & Safety Information

May cause an allergic skin reaction
May cause genetic defects
May cause cancer
Suspected of damaging fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure
Flammable liquid and vapor

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use only non-sparking tools. Take action to prevent static discharges.

IF exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use CO2, dry chemical, or foam for extinction.

Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal: Dispose of contents/container to an approved waste disposal plant.

CAUTION: All floor coatings may become slippery when wet. Where non-skid characteristics are desired, use an appropriate anti-slip aggregate.

IMPORTANT: Designed to be mixed with other components. Mixture will have hazards of all components. Before opening packages, read all warning labels. Follow all precautions.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

WARNING Cancer and Reproductive Harm— www.P65Warnings.ca.gov
Refer to the product label & Safety Data Sheet for product specific information.

IN CASE OF SPILL – Absorb with inert material and dispose of as specified under "Clean Up".

FOR PROFESSIONAL USE ONLY
Refer to Safety Data Sheet for additional health
and safety information.