



ChemMasters®

SPECIALTY CONSTRUCTION PRODUCTS

Polyseal™ EZ Honey Brown

Bubble Resistant, High Gloss,
Non-Yellowing, Low-VOC,
Solvent-Based, Acrylic Cure & Protect
with Honey Brown Tint

P R O D U C T D A T A

DESCRIPTION

Polyseal EZ Honey Brown is a specialized low-VOC, solvent-based, acrylic cure and protect for concrete. It contains an attractive Honey Brown tint, and is formulated to have unique bubble resistant qualities in high temperature applications. This state of the art proprietary formulation resists bubble formation, stringing and cob webbing, with a lower viscosity to promote increased penetration, absorption and adhesion within concrete substrates. **Polyseal EZ Honey Brown** is non-yellowing, adds a light Honey Brown appearance and creates a glossy finish that remains clear throughout its service life.

USES

- Cure and protect freshly placed decorative concrete where superior curing efficiency, non-yellowing, and bubble resistance is required.
- Protects existing concrete, particularly architectural or residential concrete exposed to freeze-thaw or deicing chemicals.
- Enhance color and provide uniform appearance of dry shake hardened floors and stamped concrete.

ADVANTAGES

- Maximum resistance to bubble formation in high temperatures.
- Protects concrete surfaces against deicing chemicals, fertilizers, salts, grease, oil, and other contaminants.
- Minimizes spalling due to freeze-thaw cycle exposure, hair line checking, premature cracking, dusting and other common defects which result from improperly cured concrete.
- Protects against most construction contaminants and prevents mortar, plaster and concrete droppings from bonding to concrete surfaces.
- Increased penetration and adhesion

Packaging Part Number		
5 gal (18.9 liter)	36 per pallet	F1321.05HB
55 gal (208 liter)	4 / pallet	F1321.55HB

TECHNICAL DATA

- ASTM C309, Type 1, Class A & B, (upon request 1D & 2) *Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete*
- AASHTO M-148, Type 1 & 1D, Class A & B (upon request 1D & 2)
- Complies with National V.O.C. Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59 and lower VOC regulations @ < 350g/L
- USDA approved when cured for incidental food contact

Estimating Guide coverage rates vary with concrete condition		
Condition	ft ² /gallon	m ² /liter
Cure Fresh Concrete	300 to 400	7 to 10
Reapply/Protect	300 to 400	7 to 10
Optional 2nd coat	300 to 600	7 to 15

Note: Increased absorptivity of **Polyseal EZ Honey Brown** may require a second coat on porous substrates.

Physical Properties	
VOC content	< 350 grams/liter
Flash Point closed cup	1°F (-17°C)
ASTM C 156 Moisture retention	0.042 g/cm ²
CRD-52-50 Abrasion Test	21.77 gram wt loss

Drying Time @ 70°F (21°C) with 50% R.H.	
Dry to _ condition	Hours
To touch	0.5
For Light foot traffic	8
For heavy traffic	12
Maximum	168 (7 days)



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DIRECTIONS

Mixing: Do not dilute. **Polyseal EZ Honey Brown** is packaged ready to use.

Tint: **Polyseal EZ Honey Brown** comes pre-tinted. Do not add additional tint.

Application: **Polyseal EZ Honey Brown** may be applied with sprayer or roller. (maintain a film < 5 wet mils per coat in joints and depressions, this will produce 1 dry mil film thickness.)

Spray Application*: For best results, apply **Polyseal EZ Honey Brown** with a low pressure, solvent resistant, airless, sprayer equipped with a fan nozzle orifice of 0.020 to 0.035" at 0.5 to 1 gpm. The optimum spray pattern is an 8" to 12" fan. Hold sprayer tip 8" to 12" from the surface of the concrete. Apply uniformly leaving no pinholes or gaps. Do not allow the material to puddle. Back roll to provide uniform finish.

Roller Application*: Use short nap solvent resistant roller cover. Clean the cover, as needed, in a solvent such as xylene or **Polyseal Solvent**. Do not over apply.

Curing*: Apply **Polyseal EZ Honey Brown** after all bleed water has dissipated and application will not mar surface. The optional second coat is applied at right angles to first coat enhancing moisture retention while providing additional protection from deicing chemicals, oils and greases.

Formed Concrete Walls: If walls are not to receive further treatment, apply immediately after stripping forms or following rubbing operations at 450 ft²/gal (11m²L).

PREPARATION OF EXISTING SURFACES:

Older Concrete: Clean thoroughly with high pressure water removing any dirt, dust, paint, oil, grease, or other contaminants that may prevent adhesion of **Polyseal EZ Honey Brown**. Let concrete dry before application.

Colored Concrete: When sealing a colored floor or a smooth trowel finished floor with tinted **Polyseal EZ Honey Brown**, lightly acid etch the cleaned concrete with muriatic or citric acid. Rinse well with water to remove acid. Let dry before applying **Polyseal EZ Honey Brown**.

Maintenance: Surfaces previously sealed with **Polyseal EZ Honey Brown** should be cleaned and resealed every 2-3 years, depending on exposure and traffic.

* (maintain a film < 5 wet mils per coat in joints and depressions, this will produce 1 dry mil film thickness.)

CLEANUP

Clean tools immediately after use with **ChemMasters Coating Repair**, xylene or xylol.

STORAGE

Store tightly sealed containers in a cool dry area away from direct sunlight and sources of heat or ignition. Shelf life is 2 years from date of manufacture.

LIMITATIONS

- For outdoor use only.
- Not for use on surfaces to receive concrete overlays or toppings. Always test for compatibility and adhesion.
- Do not use as a bond breaker for tilt wall construction or on surfaces requiring rubbing.
- Do not apply to floors subjected to spills of gasoline or other strong organic solvents such as xylene, toluene, or lacquer thinner. Solvent, gasoline, hydraulic fluids, peanut oil, and cooking oils must be cleaned quickly to prevent softening of the membrane
- Do not apply in the presence of foodstuffs. USDA approval pertains to fully cured **Polyseal EZ Honey Brown**.
- Do not apply **Polyseal EZ Honey Brown** to joints or channels scheduled to receive elastomeric caulks.
- Tinted **Polyseal EZ Honey Brown** is not a permanent remedy for poorly colored or finished flooring. **Polyseal EZ Honey Brown** is a film forming sealer that wears over time.
- Tinted **Polyseal EZ Honey Brown** is not intended as a long term coating to color interior concrete. If a wear resistant color coating is required consult ChemMasters Technical Service department.
- **Polyseal EZ Honey** can be used on steel trowel surfaces only after acid etching.
- For the best results, apply when surface and ambient temperature will be at least 50°F (10°C). Temperatures must remain there for at least 3 days after application. Condition material to 50°F (10°C) before use.
- Over application or applying in cool temperatures may result in the formation of bubbles.
- Quality curing compounds and floor treatments may darken or highlight the subtle color variations naturally present in concrete. When the difference in shading is objectionable consult ChemMasters Technical Department prior to concrete placement.

CAUTION

Extremely flammable liquid: Keep away from heat, open flames, and other sources of ignition. Use with adequate ventilation. May cause skin, eye and respiratory tract irritation. Do not take internally.

All label precautions and SDS must be fully understood before using this product.

**Keep out of reach of children.
For professional use only.**

This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT MATERIAL SAFETY DATA SHEET AND PACKAGE LABEL FOR THIS PRODUCT. We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.