

### 98% SOLID ALIPAHTIC POLYASPARTIC COATING

#### DESCRIPTION

**MAGIECHEM 835** is a two component aliphatic polyaspartic floor coating, 98% solid. This product has been formulated to be applied by conventional method.

**MAGIECHEM 835** can be used over existing epoxy floors, or as a standalone floor coating with very high UV resistant.

**MAGIECHEM 835** can be used also where the temperature is low as 0°F alone or with aggregates, vinyl chips to provide a decorative floor finish.

**MAGIECHEM 835** when fully cured, will produce a highly abrasion and wear resistance, high gloss, sooth finish and no yellowing

#### ADVANTAGES & IDEAL APPLICATIONS

- Fast cure
- High strength
- Color stable
- High chemical resistant
- Seamless and waterproof
- High resistance to abrasion
- Meets the LEED requirements
- Ideal for Cold storage
- Ideal for food processing
- Patios
- garage floor
- Show Rooms...

#### APPLCATION INSTRUCTIONS

##### SURFACE PREPARATION

**MAGIECHEM 835** requires a dry substrate. Concrete substrates should be clean, dry and free of oil, grease, wax and other contaminants and very low moisture vapor transmission. A pH reading of concrete must be between 5 and 9 using a paper pH. Vapor moisture reading must be less than 3.5 lbs/1000 square feet for the 72 hours. Higher results should receive a moisture mitigation system.

**Over Epoxy:** **MAGIECHEM 835** may be applied over existing, or new epoxy coatings. Read epoxy manufacturers technical data sheet on recoat windows for proper adhesion to new epoxy coatings. Typically, any epoxy coating that has been applied, and let dry over 18 ours should be sanded with a floor machine, using 80 grit sanding screens. Epoxy coating should have sheen removed, and 100% of surface scuffed and profiled. A mechanical bond to a sanded profile is required, but also the pores of the existing coating should be opened for **MAGIECHEM 835** to have the best adhesion. Wiping properly prepared surface with denatured alcohol will ensure no loose dust particals from the sanding process are present. **MAGIECHEM 835** should NOT be applied over polyurethane or acrylic coatings.

##### Coverage Rates:

Theoretical Square Feet Per Gallon					
Mils	5	10	15	20	30
	320	160	120	80	60



**MAGIECHEM**



### Packaging

- 3 Gallon Kit: 2 gallon of "A" side and 1 gallons of "B" side.
- 15 Gallon Kit: 10 gallons of "A" side and 5 gallons of "B" side.
- 55 Gallon Drum Kits Available Density AST M C 905:1.05 kg/L
- Tensile Strength AST M D638: 13MPa (1885psi)
- Elongation at break AST M D638 : 20 %
- Adhesion AST M D4541: 3.5 MPa (500 psi) (substrate failure)
- Abrasion Resistance ASTM D4060 : 32 mg loss
- Taber Abraser, CS-17 Wheel/1000 g (2.2 lb)/1000 cycles
- Hardness AST M D2240: 80 Shore A

### Shelf Life

One year, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F.

### Mixing

Before application, Pre mix A side and B side separately in their individual containers.

**Clear- Mixing** ration is 2 Part A to 1 Part B. Measure one part of "A-Side" and two parts of "B-Side" and pour into a separate container with sufficient space to mix without spilling. Mix toughly by hand with stif stick for two minutes until product becomes clear. Be sure to scrape sides and bottom of mixing container so no unmixed material remains.

**Drill Mixing-** Do not use drill mixer. Drill mixing this product will 'whip' air into product, which may entrap air bubbles into coating film, or cause product to kick off faster. Always mix **MAGIECHEM 835** with stir stick.

### Maintenance

**MAGIECHEM 835** can be over coated with a floor product as a sacrificial maintenance coat. This is highly recommended to extend the coating life expectancy in high foot traffic commercial settings, but not including industrial environments or areas that will receive any vehicle traffic. **MAGIECHEM 835** may be re coated at any time as long as proper surface preparation guidelines are followed. Applying a new clear coat of **MAGIECHEM 835** over coating system will typically bring the coating 'back to life'. Sanding pigmented coating systems and re coating with **MAGIECHEM 835** will typically re-color the coating without any variations in color.

### TECHNICAL SERVICES AND WARRANTY:

For assistance, consult: a representative of MAGIECHEM products. The information contained in this data sheet: is based on trials that we believe valid. However, when using the conditions depending on the application of our control. The seller and/or the manufacturer disclaim any responsibility except: to replace the product: when proven defective.



**MAGIECHEM**

SURFACE/GALLON					
Thickness (mils)	1	4	8	10	20
Gallon/sq.ft	1600	400	200	160	80

