

## POLYPRO

Industrial Flooring & Drain Systems

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## RezChip Decorative Flooring

Beautiful yet tough, the RezChip decorative chip floor combines customized design with long-lasting good looks. RezChip is the perfect choice if you need a seamless flooring system that can take a beating, and look good in the process. This flooring system incorporates colored acrylic chips in a resin matrix mixed specifically to meet your physical and chemical needs. RezChip incorporates an epoxy basecoat and grout coat designed to soak into the pores of the concrete to ensure a strong bond. The topcoat is a unique 100% solids polyurethane (CRU). This top coat gives this floor excellent impact and wear resistance, as well as superior color and gloss finish retention. ■ This decorative flooring system fuses multi-color chips with 100% solids epoxy to provide a custom-designed look. Chips are available in Macro and Micro sizes, and are available in a wide variety of colors, finishes and textures, including metallic and glow in the dark.

**Because of its durability, sanitary properties, and customized appearance, RezChip floors are an excellent choice for:**

- Pharmaceutical
- Laboratories
- Hospitals
- Rest Rooms
- Lobbies
- Concourse
- Schools
- Clean Rooms
- Dining Areas
- Supermarkets
- Food & Beverage
- Commercial Kitchens
- Health Care Facilities
- Kennels
- Auto Dealerships
- Airplane Hangars
- Break Rooms
- Offices & Halls
- Nightclubs

### RezChip Floor Features

- Sanitary and Seamless –
  - No Grout Lines to Clean
- Limitless Design Capabilities
- Low-Odor
- Minimal Downtime Means
  - no Time Lost for Production
- Cost Effective

# RezChip

 Decorative Flooring

## Typical Properties of an 1/8" (3.175mm) thick RezChip

Property	Value	Reference
Hardness	75-80	Shore D, ASTM D2240
Flame Spread	Class A	NFPA101, ASTM E84
Flammability	Self Extinguishing	ASTM D635
Compressive Strength	16,000 psi	ASTM C579
Flexural Strength	5,700 psi	ASTM C790
Flexural Modulus	500,000 psi	ASTM C5580
Tensile Strength	4,600 psi	ASTM C307
Tensile Modulus	4.7 x 10 <sup>5</sup> psi	ASTM D638
Tensile Elongation	4.8% 4.8%	ASTM D638
Coefficient of Thermal Expansion	0.0004 inches	ASTM C531
Water Absorption	0.04%	ASTM C413
Heat Distortion Temperature	245°F 118°C	ASTM D648
Adhesion to Concrete	350 psi substrate fails	ASTM D4541
Slip Resistance	0.5	ASTM C1028
Indentation	3.27%	MIL-D3134
Impact Resistance	1/56 inch	MIL-D3134
Wear Resistance	0.023 inch	ASTM D1242 Method A
Elevated Temperature Resistance	1/32 inch	MIL-D3134
FDA/USDA accepted for incidental food contact	Yes Yes	

## Liquid Resin Properties

Gel Time (minutes)	12-18 Peak
Exotherm:	400-440°F / 204-227°C
Specific Gravity	1.05-1.07
Uncatalyzed Shelf Life at 77°F (25°C), Months	16
% Solids (% reactive material)	100

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