

Product Data Sheet For:

PLEXICHIP

Seamless Epoxy Flooring

Description:

PlexiChip Seamless Flooring is a decorative, “poured in place” flooring system comprised of ¼ or 1/8th inch decorative chips incorporated into PlexiGlaze No.4 or PlexiGlaze Floor Finish. This system is typically top coated with PlexiCrest P or (for a super thicker top coat) PlexiCrest XP. PlexiChip systems are best used in or for commercial applications. PlexiChip floors provide a terrazzo- like appearance with the benefits of a seamless floor. These floors require no waxing and are easily cleaned. Long term care of PlexiChip floors can be done with renewed additional topcoats. Surface finish can be smooth or slip resistant.

Recommended Uses:

- ↪ Laboratories
- ↪ Traffic Aisles
- ↪ Restrooms
- ↪ Lobbies
- ↪ Concourse
- ↪ Pharmaceuticals
- ↪ Manufacturing areas such as offices and labs

Benefits:

- ↪ Easy installation
- ↪ Low odor
- ↪ Meets USDA, FDA, and OSHA standards
- ↪ Easy to use
- ↪ Good abrasion (wear) resistance
- ↪ Easy maintenance
- ↪ Retail Stores
- ↪ Clean rooms

- ↪ Residential (Garages, Basements, Lanais, Kitchen floors, Balconies)
- ↪ Halls/ Corridors

Color:

PlexiChip is available in 1/4 or 1/8th inch decorative chips. The 1/4 inch chips are available in 10 standard blends. Color options include solid colors or custom multi-color pre-blends.

Limitations

This product is best suited for application in temperatures between 55°F and 95°F. Substrate must be cleaned, sound and dry.

Surface Preparation:

This product requires preparation in order to perform as expected. Substrate must be profiled clean sound and dry. Shot blast is always the preferred method of surface preparation

Installation Procedures:

PlexiChip is applied with a roller or squeegee. A typical yield at 1/16th inch thickness is approximately 150-200 sq ft per gallon of epoxy and 1 pound of decorative chip per 9 sq ft. See the PlexiChip application instruction sheet for complete instructions.

PlexiChip Technical Information:

Cured film thickness	16 mils at 100 sq.ft./gal spread rate
Salt spray Resistance, 25%	No effect after 100 hrs.
Toxicity	Non- toxic, USDA approved

PlexiChip Physical Properties:

Physical Property	Test Method	Result
Hardness, shore D	ASTMD-2240	75-80
Water Absorption	ASTMD-570	.04%
Flammability	ASTMD-635	Self-extinguishing
Tensile Strength	ASTMD-638	6,000 PSI
Flexural Strength	ASTMC-580	10,000 PSI
Izod Impact	ASTMD-256	.50
Compressive Strength	ASTM D695	16,500 PSI
Bonds strength to Concrete	ACI-403	Concrete fails before loss of Bond
Elevated temperature	MIL D-3134	No slip or flow
Thermal Shock, 50 cycles of immersion in chilled and boiling water	MIL F-52505	No cracking or loss of adhesion
UV resistance	MIL F 52505	No chalking or loss of adhesion
Abrasion resistance cs 10 wheel, wgt. Loss, 1000 gr. Load, 10000 cycles	ASTM D-4060	30 mg max loss
Impact Resistance	ASTM D-4226	>160 inch per lbs.

Notice: The technical data contained herein are true and accurate to the best of our knowledge. All products are offered and sold subject to Plexi-Chemie Standard Conditions of Sale. Published technical data and instructions are subject to change without prior notice.

Please be sure the Safety Data Sheet is read and understood before using any Plexi-Chemie product.