

Product Data Sheet For:

PLEXIFLAKES[®] SRF

DESCRIPTION

PLEXIFLAKES[®] SEAMLESS RESINOUS FLOORING is a decorative, “poured in place” flooring system comprised of 1/4 or 1/8th inch decorative flakes incorporated into PlexiGlaze No.4 or PlexiGlaze FLOOR FINISH. This system is typically top coated with PlexiCrest P or PlexiCrest XP (Polyaspartic). PlexiFlake systems are best used for commercial applications. PlexiFlake 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 PlexiFlake floors can be done with renewed additional topcoats. Surface finish can be smooth or slip resistant. Thicknesses can range from 1/16, 3/32, and 1/8 inch.

RECOMMENDED USES

- Animal Facilities
- Laboratories
- Traffic Aisles
- Restrooms
- Lobbies
- Concourse
- Pharmaceuticals
- Manufacturing areas such as offices and labs
- Halls/ Corridors
- Retail Stores
- Clean rooms

Benefits

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

Color

PlexiFlake is available in 1/4 or 1/8th inch decorative flakes. The 1/4 inch flakes 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 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 and free of all grease, oils, fats, loose or foreign materials, and laitance. The surface must show open pores throughout and have a sand paper texture.

Installation Procedures

PlexiFlake 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 flakes per 9 sq ft. see the **PlexiFlake** application instruction sheet for complete instructions.

PlexiFlake Technical Information

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

Physical Property	Test Method	Result
Hardness, shore D	ASTMD-2240	80-85
Water Absorption	ASTMD-570	.04%
Flammability	ASTMD-635	Self extinguishing
Tensile strength	ASTMD-638	3,850
Flexural Strength	ASTMD-790	4,800
Compressive Strength	ASTMD-695	17,000 PSI
Izod Impact	ASTMD-256	.50
Bonds strength to Concrete	ACI-403	100% concrete failure
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 17 wheel, wgt. Loss, 1000 gr. Load, 10000 cycles	ASTM D-4060	22 mg loss
Coefficient of Friction (dry)	ASTM F-1679	0.735
Coefficient of Friction (wet)	ASTM F-1679	0.625
Flammability	ASTM E-648	Class 1

Before using any Plexi-Chemie Inc. product, be sure the Material Safety Data Sheet is read and understood.