



HERMETIC™ Aircraft Flooring Systems



elite crete systems
ENGINEERED HIGH PERFORMANCE SURFACES & FLOORING

HERMETIC™ Aircraft Flooring Systems

are high performance, self-leveling, resinous coatings engineered for aircraft hangars and specialty aerospace floors. This floor exhibits exceptional resistance to chemicals common in such environments including Skydrol fluids.

Due to the unique nature of these flooring systems, consult with a technical representative before installing or specifying.



ADVANTAGES

- Ease of maintenance
- Protects the substrate
- Aesthetic improvements
- Increases the strength of the substrate
- Hard and abrasion resistant
- Light reflective finish
- VOC free – CA 01350 air quality compliant
- Stain and chemical resistant
- Variable degree of slip resistance depending on requirements
- Antimicrobial
- Satin or gloss finish
- Fast set available for quicker turnaround time

For additional information, visit: elitecrete.com

Elite Crete Systems, Inc.

1151 Transport Drive
Valparaiso, Indiana 46383

Phone: +1.219.465.7671
Toll Free: 888-323-4445
Email: info@elitecrete.com
elitecrete.com

SPECIFICATION OVERVIEW

- Name: HERMETIC™ Aircraft Flooring System
- Finish: Gloss or satin
- Cured thickness: @ 45 to 90 mils
- Surface preparation and detailed application instructions per manufacturer
- Manufacturer: Elite Crete Systems, +1-219-465-7671

PHYSICAL PROPERTIES

(@ 73°F / 23°C, 7 day ambient cure as a coating)

PROPERTY	TEST	RESULT
VOC Content	N/A	0 g/l
Shore D Hardness	ASTM D-2240	80
Water Absorption (2hr boil)	ASTM D-570	0.03 %
Toxicity	N/A	None*
Heat Distortion Temperature	ASTM D-648	130 F / 55 C
Compressive Strength	ASTM D-695	11,900 psi
Tensile Strength	ASTM D-638	2,100 psi
Flexural Strength	ASTM D-790	4,200 psi
Abrasion Resistance **	ASTM D-4060	9-30 mg loss
Slant Shear	ASTM C-882	100% concrete failure
Flammability	ASTM D-635	Self-extinguishing
Flame Spread Rate (NFPA 101)	ASTM E-84	Class A
Elongation at Break	ASTM D-638	4.2-6.5 %
Chemical resistance	Contact technical representative for chart	
Coefficient of Friction	Adjusted per requirement. Generally 0.50 to 0.80	
COF Guidelines:	ADA Flat Surfaces	0.60
	ADA Inclined Surfaces	0.80
	OSHA	0.50
	NFPA	0.68

* FDA, USDA, & CIFA Acceptable
** CS-17 Wheel, 1 KG load, 1,000 cycles

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend to use our products for. Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability or fitness for a particular purpose, nor is replacement of our materials and in no event shall we be liable for incidental or consequential damages.