

# HERMETIC™ Aircraft Flooring System



CSI Division 9: Finishes - Flooring

**elite crete systems**

Engineered High Performance Surfaces & Flooring

**HERMETIC™ Aircraft Floor** is a high performance, self leveling, resinous coating engineered for aircraft hangars and specialty aerospace floors. This floor exhibits exceptional resistance to chemicals common in such environments including Skydrol fluids.

**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
- Anti-microbial
- Satin or gloss finish
- Fast set available for quicker turn around time

**SPECIFICATION OVERVIEW**

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

**SAMPLE COLOR CHART**



**NOTE:** The colors depicted on this technical document may not illustrate the exact color. Contact a technical support representative for a more accurate color sample. Custom colors available upon request. \* **Novalac Only**

**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 minimum
Tensile Strength	ASTM D-638	2,100 psi minimum
Flexural Strength	ASTM D-790	4,200 psi minimum
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



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