

CHEMICAL RESISTANT EPOXY FLOORING (HEF CR)

HALLEMITE

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Hallemite Clear Chemical Resistant Epoxy Flooring (HEF CR) is a seamfree, two-component, novolac epoxy system for use in floor areas subject to high temperature and extreme chemical attack by acids, alkalis, etc. HEF CR may be installed over almost any sound substrate, including wood, clay tile, stone and terrazzo. Like Hallemite HEF, this product can be combined with colored quartz granules to provide a decorative surface. HEF CR may also be pigmented. Ten standard colors are available. Hallemite HEF CR may also be used as a topcoat over Hallemite HEF to enhance chemical resistance (see usage chart). **Hallemite HEF CR is a 100% solids (no-solvent resin and hardener) system that outwears concrete 3:1 and meets or exceeds FDA, USDA, and OSHA standards for non-slip surfaces.**

MECHANICAL PROPERTIES

Heat Deflection Temp.: ASTM D-648 - 185°F

Compressive Strength: ASTM D-695 7 days @ 77°F - 14,900 psi

Tensile Strength: ASTM D-638 5,900 psi

Flexural Strength: ASTM D-790 7 days @ 77°F - 11,800 psi

Impact Strength: ASTM D-279 - Gardner tube falling cylinder 80 in-lbs.

Hardness: ASTM D-2240 - Shore "D" Durometer - 75-80

Abrasion Resistance: ASTM D-1044 - Taber Abrader - 0.12 C 10 wheel, 1,000 gm load - 1,000 cycles - 0.14

Flammability: Self-Extinguishing

Water Absorption: ASTM C-413 - 0.05%

Thermal Shock: Passed 3 cycles - 40 hours @ 10°F, 3 mins. @ 212°F, shockwater @ 33°F

CHEMICAL RESISTANCE (Based on 7 day Total Immersion Test)

The surface is resistant to immersion in these substances:

Acetic Acid 10%

Ammonium Hydroxide

Citric Acid 20%

Ethanol

Formaldehyde 37%

Formic Acid 10%

Heavy Duty Detergent

Hydrogen Peroxide 28%

Isooctane

Nitric Acid 20%

Oleic Acid 10%
Oxalic Acid 10%
Phosphoric Acid
Sodium Carbonate 20%
Sodium Chloride 10%
Sodium Hydroxide 60%
Sulfuric Acid 98%
Tannic Acid
Urine