SEAMFREE EPOXY QUARTZ FLOORING (HEF)

HALLEMITE

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Hallemite Seamfree Epoxy Quartz Flooring (HEF) is an all-purpose, seamfree, clear epoxy system. When combined with colored quartz granules, HEF provides a decorative surface which is durable, and easy to maintain. A variety of basic colors are available, or several colors may be blended to achieve a multi-colored mosaic. HEF may be used for both floors and cove base, and can be installed over a variety of surfaces (concrete, terrazzo, stone, tile and wood) where both durability and chemical resistance are required in an attractive floor system. HEF is ideally suited for labs, offices, commercial kitchens, corridors, locker/shower rooms, and processing areas (see usage chart). **Hallemite HEF 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
Compressive Strength: ASTM D-695 7 days @ 77°F - 21,300 psi
Flexural Strength: ASTM D-790 7 days @ 77°F - 12,800 psi
Impact Strength: ASTM D 279 - Gardner tube falling cylinder 75 in-lbs.
Bond Strength: Higher than tensile strength of good quality concrete (400 psi)
Water Absorption: ASTM C 413 7 days @ 77°F - 0.06%
Tack Free Time: 5 hours @ 77°F
Thermal Shock: Passed 3 cycles - 40 hours @ 10°F, 3 mins. @ 212°F, shockwater @ 33°F
Shore "D" Hardness: 65 @ 24 hours, 75 @ 7 days

CHEMICAL RESISTANCE (Based on 7 day Total Immersion Test)
The surface is resistant to immersion in these substances.
Ammonium Hydroxide
Carbon Tetrachloride
Citric Acid
Dimethyl Ether
Dimethyl Formamide
Formaldehyde Solution 3%
Hydrogen Peroxide 28%
Heavy Duty Detergent
Heptane
Isooctane
Oleic Acid
Phenol Solution

Sodium Carbonate 20%
Sodium Chloride 10%
Sodium Hydroxide 50%
Sodium Hypochloride
Sulfuric Acid 30%