

EMPERVIOUS™

RIGID WATERPROOF SHOWER SYSTEM

EMPERVIOUS SHOWER SYSTEM TECHNICAL PROPERTIES

	Metric	Reference U.S. Standard
Density	Min 32kg/m ³	Min 2 lb/ft ³
Flame Spread, ASTM E84	0	0
Flamability	B1 - E	B1 - E
Fungus and Microorganism Growth, ASTM 4551-12	0	0
Capillary Action	0	0
HCFC & CFC	0	0
Water Absorption under immersion	<1%	<1%
Operating Temperature Range	-50 C to +90 C	-58 F to +194 F
Linear Expansion, ASTM D 1037	0.005%	0.005%
Compressive Strength, ASTM D1621	>248 kPa	>36 psi
Tensile Strength, ASTM D 1623	>227.5 kPa	>33 psi
Shear Strength, ANSI A118.10	>345 kPa	>50 psi
R-Value		2.2 per 1/2 inch of thickness
Overhead max hanging load		18lbs/SF
Wall max hanging load		23lbs/SF
Point Impact Load Test, CSA B45.5/IAPMO Z124		Passed
Hydrostatic Pressure Test, ASTM D 4551		Passed
Solid Brass Drain Assembly, ASME A112.18.2/CSA B125.2		Passed
Rapid Freezing and Thawing, ASTM C666		Passed

The Empervious Shower System is ICC-ES certified which is in compliance with IAPMO PS 106-2015e1 standards for Tileable Shower Receptors and Shower Kits.

Empervious is constructed of closed cell extruded polystyrene foam and is 100% waterproof.

