

FOAM TILE BACKERBOARD COMPARISON CHART

Property	USG Durock™ Brand UltraLight Foam Tile Backerboard	Schluter®-Kerdi-Board	Wedi™ Building Panel
Foam Core	Extruded Polystyrene	Extruded Polystyrene	Extruded Polystyrene
Foam Core Compressive Strength	70 psi per ASTM D1621	25 psi per ASTM D1621	36 psi per ASTM D1621
Facer	Rugged Thermal Plastic	Specially Treated Paper with Fleece Webbing	Cementitious Coating with Polymer-Modified Resin
Washers Required	No	Yes	Yes
Weight 1/2"x3'x5'	5.25 lbs. per ASTM C473	Not Published	8.67 lbs. per ASTM C473
Hydrostatic Pressure Resistance	Pass per ANSI A118.10	Not Published	Pass per ANSI A118.10
Fungus & Micro-Organism Resistance	Pass per ANSI A118.10	Not Published	Passed ASTM G21
Shear Bond (7d Dry, 7d Wet)	>50 psi per ANSI A118.10	Not Published	54 psi per ANSI A118.10
Nail Pull Resistance	>60 lbs. per ASTM C1325	Not Published	Not Published
Surface Burning (Flame/Smoke)	Pass per ASTM E84 up to 2" thick	Pass per ASTM E84	Pass per ASTM E84
Linear Expansion (%)	<0.070 (Pass) per ASTM D1037	Not Published	<0.074 (Fail) per ASTM D1037
Water Vapor Permeance 1/2" Panel	0.08 Perms per ASTM E96 Procedure E (100 °F, 90% RH)	0.36 Perms per ASTM E96 Procedure E (100 °F, 90% RH)	≤1 Perm (1" Panel) per ASTM E96 Procedure E (100 °F, 90% RH)
Meets TCNA Steam Shower Requirements of <0.50 Perms	Yes per ASTM E96 Procedure E (100 °F, 90% RH)	Yes per ASTM E96 Procedure E (100 °F, 90% RH)	No
IAPMO & ICC® Listed	Yes	No	ICC® Only