



## ACOUSTIC PERFORMANCE

Product	Thickness	Absorption Coefficients @ Octave Band Frequencies (Hz)						NRC
		125	250	500	1000	2000	4000	
R-13	3.5"	0.95	1.3	1.19	1.08	1.02	1	1.15
R-19	5.5"	0.97	1.37	1.23	1.05	1	1.01	1.15
								<b>STC</b>
R-13	3.5"	21	40	48	52	46	48	45

Sound Absorption was tested in accordance with ASTM E90-02, ASTM C 423 (Type A mounting per ASTM E 795)

## PHYSICAL PROPERTIES

PHYSICAL PROPERTIES	PERFORMANCE	TEST METHOD
Surface Burning Characteristics (Fire Hazard Classification)	Flame Spread - 5 (Class 1 / Class A) Smoke Developed - 35 (Class 1 / Class A)	ASTM E 84 UL 723
Corrosion Resistance	Pass	ASTM C 739
Fungi Resistance	Pass - No Growth	ASTM C 739
Bacteria Resistance	Pass - No Growth	ASTM C 739
Moisture Absorption	Pass - Less than 15%	ASTM C 739
Fire Test of Building Materials	Pass - 1 Hour Rating	ASTM E 119 / UL-263

## THERMAL/TECHNICAL INFORMATION

Product Code	Description	R Value*	Thickness (inches)	Width (inches)	Length (inches)	Number of Batts / Bag	SQ FT / bag	Weight (pounds)	Bag Dimensions
22301	R-13-16	13	3.5	16.25	94	8	84.88	35	16" x 24" x 48"
22302	R-13-24	13	3.5	24.25	94	8	126.63	54	24" x 24" x 48"
22303	R-19-16	19	5.5	16.25	94	5	53.04	31	16" x 24" x 48"
22304	R-19-24	19	5.5	24.25	94	5	79.15	46	24" x 24" x 48"

\* R-Value tested in accordance with ASTM C-518 at a temperature of 75°F. Higher R-values equal greater insulating power.

## PRODUCT COMPLIANCES

UltraTouch Denim Insulation physical properties meet the requirements of the following specifications, standards, and codes.

ICBO/ICC International Conference of Building Officials	BOCA Building Officials and Code Administrators
CABO Council of American Building Officials	SBCCI Southern Building Code Congress International
LEED Leadership in Energy and Environmental Design	CA-IAQ Environmental Specification # 1350
CHPS Collaborative for High Performance Schools	LARR city of Los Angeles Building and Safety
California Bureau of Thermal Insulation Lic. #TI-1367 / Reg. # CA-T367AZ	