

Wood fibre insulation U & R Value ready reckoner



Steico Flex & Steico Underfloor are sold by the pack all other Steico products are sold by the board. U values, R values, weight & square metres are for individual batts, sheets or boards indicated by the quoted thickness, width and length.

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Product	Thickness mm	width mm	length mm	Coverage m ² / Piece	Approx Weight Kg /m ²	Thermal Conductivity λD [W / (m*K)]	R Value m ² K/W	No Per Pack
Steico Flex 575mm batts For 600mm centres <i>sold in packs</i>	40	575	1220	0.7015	2.21	0.038	1.05	10
	50	575	1220	0.7015	2.95	0.038	1.32	9
	60	575	1220	0.7015	3.31	0.038	1.58	8
	80	575	1220	0.7015	4.04	0.038	2.11	6
	100	575	1220	0.7015	5.05	0.038	2.63	4
	120	575	1220	0.7015	6.24	0.038	3.16	4
	140	575	1220	0.7015	7.13	0.038	3.68	4
	160	575	1220	0.7015	8.08	0.038	4.21	3
	180	575	1220	0.7015	11.29	0.038	4.74	3
	200	575	1220	0.7015	11.88	0.038	5.26	2
Steico Flex 385mm batts For 400mm centres <i>sold in packs</i>	40	385	1220	0.4697	2.36	0.038	1.05	10
	50	385	1220	0.4697	3.03	0.038	1.32	9
	60	385	1220	0.4697	3.53	0.038	1.58	8
	80	385	1220	0.4697	4.31	0.038	2.11	6
	100	385	1220	0.4697	5.39	0.038	2.63	4
	120	385	1220	0.4697	6.46	0.038	3.16	4
	140	385	1220	0.4697	7.61	0.038	3.68	4
	160	385	1220	0.4697	8.62	0.038	4.21	3
	180	385	1220	0.4697	10.74	0.038	4.74	3
	200	385	1220	0.4697	11.98	0.038	5.26	2
Steico Therm Internal Square edge <i>Sold by the board</i>	20	600	1350	0.8100	3.43	0.039	0.51	
	30	600	1350	0.8100	5.01	0.039	0.77	
	40	600	1350	0.8100	6.83	0.039	1.03	
	60	600	1350	0.8100	10.29	0.039	1.54	
	80	600	1350	0.8100	13.67	0.039	2.05	
	100	600	1350	0.8100	16.84	0.039	2.56	
	120	600	1350	0.8100	20.58	0.039	3.08	
	140	600	1350	0.8100	23.15	0.039	3.59	
160	600	1350	0.8100	26.46	0.039	4.10		
Product	Thickness mm	width mm	length mm	Coverage m²/ Piece	Approx Weight Kg /m²	Thermal Conductivity λD [W / (m*K)]	R Value m² K/W	
	Steico Therm Internal T&G edge <i>Sold by the board</i>	40	380	1200	0.4560	6.79	0.039	1.03
	60	380	1200	0.4560	10.15	0.039	1.54	

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Product	Thickness mm	width mm	length mm	Coverage m ² / Piece	Approx Weight Kg /m ²	Thermal Conductivity λD [W / (m*K)]	R Value m ² K/W	No Per Pack
Steico Universal <i>Sold by the board</i>	22	600	2500	1.5000	5.83	0.048	0.46	
	35	600	2500	1.5000	9.28	0.048	0.73	
	52	600	2500	1.5000	13.78	0.048	1.08	
Stecio Special <i>Sold by the board</i>	60	600	1880	1.1280	15.27	0.046	1.30	
	80	600	1880	1.1280	19.63	0.046	1.74	
	100	600	1880	1.1280	24.98	0.046	2.17	
	120	600	1880	1.1280	30.54	0.046	2.61	
Steico Protect <i>Sold by the board</i>	40	615	1325	0.8149	9.99	0.048	0.83	
	60	615	1325	0.8149	15.02	0.048	1.25	
	80	615	1325	0.8149	16.79	0.048	1.67	
Steico Floor <i>Sold by the board</i>	40	380	1200	0.4560	6.79	0.039	1.03	
	60	380	1200	0.4560	10.15	0.039	1.54	
Steico Underfloor <i>Sold by the pack</i>	5	590	790	0.4661	1.25	0.050	0.10	15
	7	590	790	0.4661	1.75	0.050	0.14	14
Steico Top <i>Sold by the board</i>	80	400	1200	0.4800	11.20	0.041	1.95	
	100	400	1200	0.4800	14.00	0.041	2.44	
<p>Use the R value and thickness to calculate a simple overall U value when combining Steico products; it is simply the inverse of the combined resistances.</p> <p>Example :</p> <p>200mm Flex – R = 5.26</p> <p>plus</p> <p>35mm Universal – R = 0.73</p> <p>Total R = 5.99</p> <p>Basic U value = 1/5.99 = 0.17</p> <p>This doesn't take into account the thermal bridging of the stud or any other sheathing materials but does give a quick approximation.</p>								

Notes