



ROCKWOOL ROXUL SAFE® Compression Guidance

June 2022

Installation of the ROCKWOOL ROXUL Safe insulation should be done by compression fit. This forms a tight seal between the floor line and the exterior curtain wall assembly so that flame and hot gases cannot pass through the joint. It is important that the insulation be installed at the proper compression as specified in the testing listing, which will provide direction on the amount of compression and in which direction the product should be inserted into the slab edge for firestopping. Please see below for a summary of joint widths and ROXUL Safe compression requirements to drive the required thickness of material needed for the project.

UNCOMPRESSED WIDTH OF STONE WOOL IN SLAB EDGE JOINTS

Joint Width (in.)	% Insulation Compression Required									
	10%	15%	20%	25%	30%	33%	35%	40%	45%	50%
1.0	1.11	1.18	1.25	1.33	1.43	1.49	1.54	1.67	1.82	2.00
1.5	1.67	1.76	1.88	2.00	2.14	2.24	2.31	2.50	2.73	3.00
2.0	2.22	2.35	2.50	2.67	2.86	2.99	3.08	3.33	3.64	4.00
2.5	2.78	2.94	3.13	3.33	3.57	3.73	3.85	4.17	4.55	5.00
3.0	3.33	3.53	3.75	4.00	4.29	4.48	4.62	5.00	5.45	6.00
3.5	3.89	4.12	4.38	4.67	5.00	5.22	5.38	5.83	6.36	7.00
4.0	4.44	4.71	5.00	5.33	5.71	5.97	6.15	6.67	7.27	8.00
4.5	5.00	5.29	5.63	6.00	6.43	6.72	6.92	7.50	8.18	9.00
5.0	5.56	5.88	6.25	6.67	7.14	7.46	7.69	8.33	9.09	10.00
5.5	6.11	6.47	6.88	7.33	7.86	8.21	8.46	9.17	10.00	11.00
6.0	6.67	7.06	7.50	8.00	8.57	8.96	9.23	10.00	10.91	12.00
6.5	7.22	7.65	8.13	8.67	9.29	9.70	10.00	10.83	11.82	13.00
7.0	7.78	8.24	8.75	9.33	10.00	10.45	10.77	11.67	12.73	14.00
7.5	8.33	8.82	9.38	10.00	10.71	11.19	11.54	12.50	13.64	15.00
8.0	8.89	9.41	10.00	10.67	11.43	11.94	12.31	13.33	14.55	16.00