

RANDOM BONDING

To create a natural, traditionally laid stone effect there are a number of ways to create a 'random' bond. Products are available in a range of lengths and heights but the following suggestions offer some guidance if you are unsure where to begin.

Suggested Bonding Pattern for Anstone Random Lengths

This pattern is achieved by using the same course height 140mm and laying in three different lengths in a stretcher bond style as detailed in the table below. (The following is for guidance only, as it's the Builders choice).



SUGGESTED FULL LOAD MAKEUP

Course Heights	Length	No. of packs	BLOCK / PACK DATA		LOAD DATA			m ² /pack	Pack Weights (Kg)
			Pcs./pk	Lnr. mtrs/pk	Load Lnr. mtrs.	Load weights	Load built in area m ²		
140mm	225	2	152	34.2	884.40	1.92	10.72	5.36	958
	300	8	112	33.6		7.53	41.68	5.21	941
	450	16	76	34.2		15.33	83.84	5.24	958
total		26			884.40	24.78	136.24		

Suggested Bonding Pattern for Anstone Scottish Mix

This is achieved by laying three different course heights with two different lengths as detailed in the table below. (The following is for guidance only, as it's the Builders choice. Some units will need to be cut on site to achieve a bond.)



SUGGESTED FULL LOAD MAKEUP

Course Heights	Length	No. of packs	BLOCK / PACK DATA		LOAD DATA			m ² /pack	Pack Weights (Kg)
			Pcs./pk	Lnr. mtrs/pk	Load Lnr. mtrs.	Load weights	Load built in area m ²		
65mm	450	7	172	77.4	541.8	7.34	41.51	5.93	1049
215mm	300	2	88	26.4	52	2.29	12.28	6.14	1144
140mm	450	16	76	34.2	547.2	15.33	83.84	5.24	958
total		25			1141.8	24.97	137.63		

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Suggested Bonding Pattern for Shearstone Random Coursed

This pattern is achieved by laying one course of 65mm, one course of 140mm and two courses of 102.5mm height blocks using various lengths as detailed in the table below. (The following is for guidance only, as it's the Builders choice).



SUGGESTED FULL LOAD MAKEUP

Course Heights	Lengths	No. of packs	BLOCK / PACK DATA		LOAD DATA			m ² /pack	Pack Weights (Kg)
			Pcs./pk	Lnr. mtrs/pk	Load Lnr. mtrs.	Load weights	Load built in area m ²		
65mm	225	1	374	82.28	266.4	1.01	6.45	6.45	1010
	330	2	279	92.07		2.40	14.22	7.11	1200
102.5mm	220	5	242	53.24	563.20	5.57	31.30	6.26	1113
	330	5	180	59.40		6.03	34.45	6.89	1206
140mm	220	2	170	37.40	310.42	2.21	11.74	5.87	1105
	330	3	126	41.58		3.59	19.29	6.43	1197
	440	3	84	36.96		8.00	17.01	5.67	1000
total		21			1140.02	23.81	134.46		

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Suggested Bonding Pattern for Shearstone Random Mix

This pattern is achieved by laying random lengths in three different course heights 65mm, 140mm and 215mm. At the bricklayers discretion a selection of up to seven block lengths and 3 block course heights to form a completely random pattern mixed from multiple packs as construction proceeds. (The following is for guidance only as it is the builders choice. Some units will need to be cut on site to achieve bond).



SUGGESTED FULL LOAD MAKEUP

Course Heights	Lengths	No. of packs	BLOCK / PACK DATA		LOAD DATA			m ² /pack	Pack Weights (Kg)
			Pcs./pk	Lnr. mtrs/pk	Load Lnr. mtrs.	Load weights	Load built in area m ²		
65mm	220	3	374	82.28	523.05	3.68	19.35	6.45	1225
	330	3	279	92.07		4.05	21.33	7.11	1350
215mm	330	2	72	23.76	47.52	2.09	11.02	5.51	1046
140mm	220	3	170	37.40	541.86	3.35	17.61	5.87	1115
	330	5	126	41.58		6.11	32.15	6.43	1212
	440	6	84	36.96		6.47	34.02	5.67	1052
total		22			1112.43	25.75	135.48		

These are suggestions only and the final bond layout is of the discretion of the builder. Consider that openings may require a change in the surrounding bond layout and there should be a minimum 100mm distance maintained between courses of vertical perpend.

Consult Forticrete Technical for advice on bed joint reinforcement.

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