



MAKANA BRICK

BUILDING TODAY FOR TOMORROW

www.makanabrick.co.za



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Environmentally Friendly



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We are Makana Brick

Formed in 1994, Makana Brick has grown to become the largest clay brick manufacturer between Durban and Cape Town, and a pillar of its local community.

After more than R120 million worth of investment into plant and infrastructure, Makana Brick now boasts one of the most technologically advanced clay brick plants in the country, producing a full range of clay brick products, including face bricks, stock bricks and pavers.

The world class facilities have resulted in Makana Brick being able to produce high volumes of the best quality clay bricks utilising a fully integrated transport system, backed up through a dynamic sales team and a host of accredited partners across the region.

With quick turnaround times, stock availability, value for money, world class products and a no hassles after sales philosophy, Makana Brick is the leader in clay bricks in the region and offer a peace of mind building solution.

WHY CLAY BRICK

Clay bricks are the strongest and most durable building material known to man. The durability of clay bricks is almost impossible to match. The products are of the earth, forged by entirely natural elements, and fired at temperatures over 1000 C, resulting in a final product that will last for decades, generations and through centuries.

The strength of the product results in minimal maintenance over the life of a building, and in the case of face brick buildings, no maintenance is required to the walls, making clay brick the most cost effective building solution. The durability of clay bricks is almost impossible to match.

In addition to this, clay bricks are arguably the most energy efficient building material available. The thermal properties of clay bricks allow them to make optimal use of energy, which results in the end user consuming less electricity through temperature control.

Being a major part of the community, we recognise that the future of the planet is dependent on our actions today, which is why we are proud that technically advanced Makana Brick factory also lends itself to a cleaner, more streamlined manufacturing process, with less wastage.

But its not all about strength and being environmentally friendly. Clay face brick exists in a variety of colours and shading, exhibiting an ageless beauty. Very few things in life never go out of style or fashion, and clay brick is one of those things. They are part of our background.

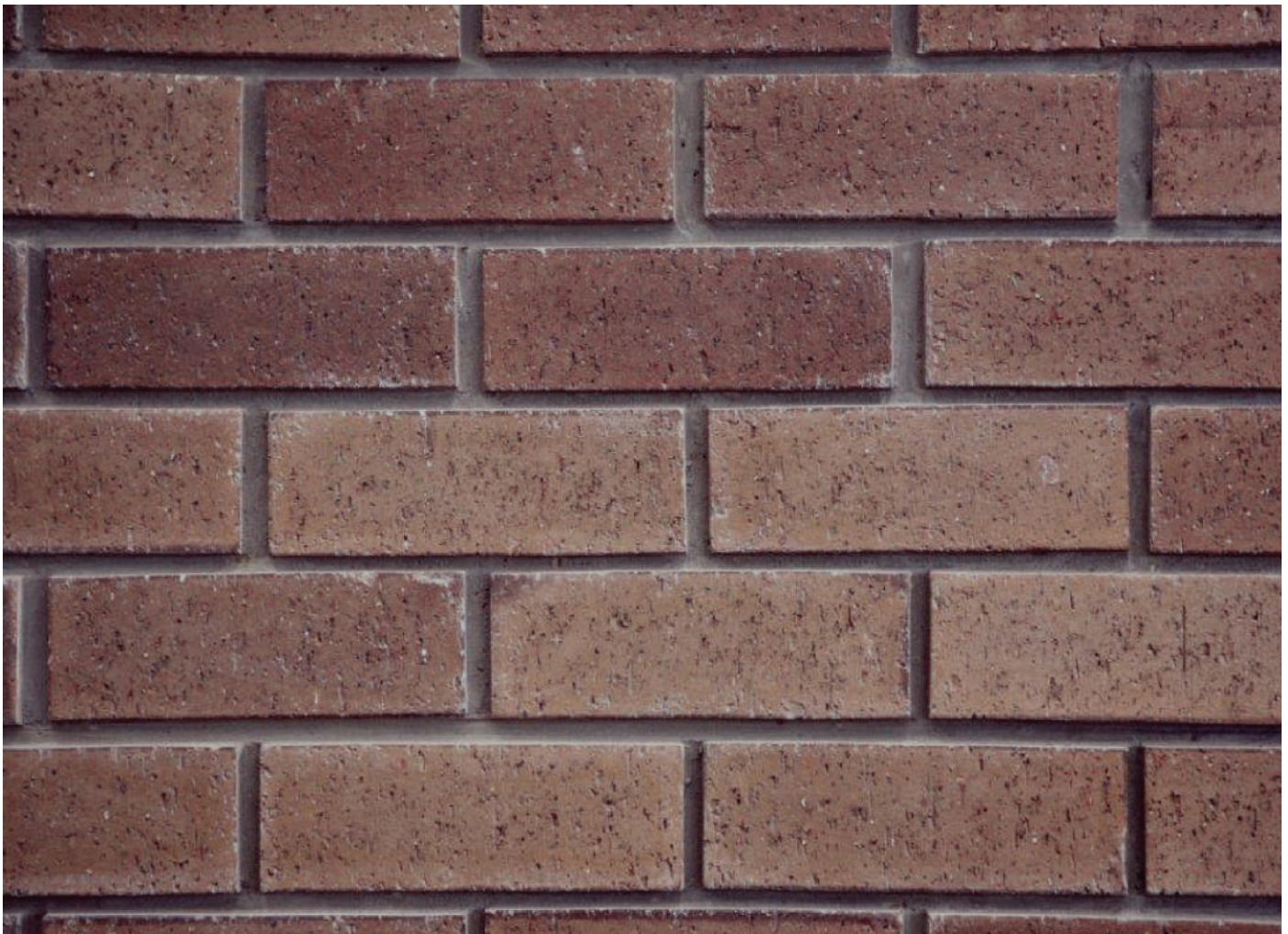
Product Specifications

Face Brick

Bhirha Travertine (FBS)

Average Compressive Strength	27.79 MPA
Material	Clay, Perforated
Average Mass	2.66 kg
Average Size	222 x 106 73 mm
Average Water Absorption	4.25%

Tolerance On Dimensions			
	FBS		FBA
Tolerance on work sizes	Length	Width	Height
1) Individual Units	±7mm	±4mm	±4mm
2) Average Dimensions	±3.5mm	±2mm	±2mm
Warpage	No individual units to exceed 5mm warpage		No Requirements



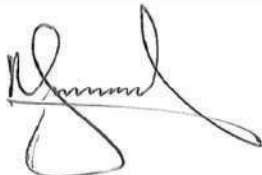
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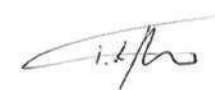
1 B CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / BHIRHA TRAVERTINE.BHT

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	217	105	71	2.66	3.38	42.04
2	216	106	71	2.64	3.86	28.82
3	220	105	72	2.68	5.24	28.92
4	217	106	70	2.60	4.04	20.53
5	217	104	71	2.69	2.68	24.72
6	219	104	70	2.68	4.48	32.44
7	217	105	71	2.64	4.25	20.45
8	218	104	72	2.67	3.18	31.62
9	216	103	70	2.62	4.89	25.31
10	219	105	71	2.66	4.85	26.87
11	220	106	71	2.65	5.48	21.74
12	220	105	70	2.67	4.61	30.04

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	218 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	105 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	71 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	4.25 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.66 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	27.79 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager: 

Technical Signatory: 

Product Specifications

Face Brick

Bhirha Travertine Dark (FBS)

Average Compressive Strength 27.79 MPA

Material Clay, Perforated

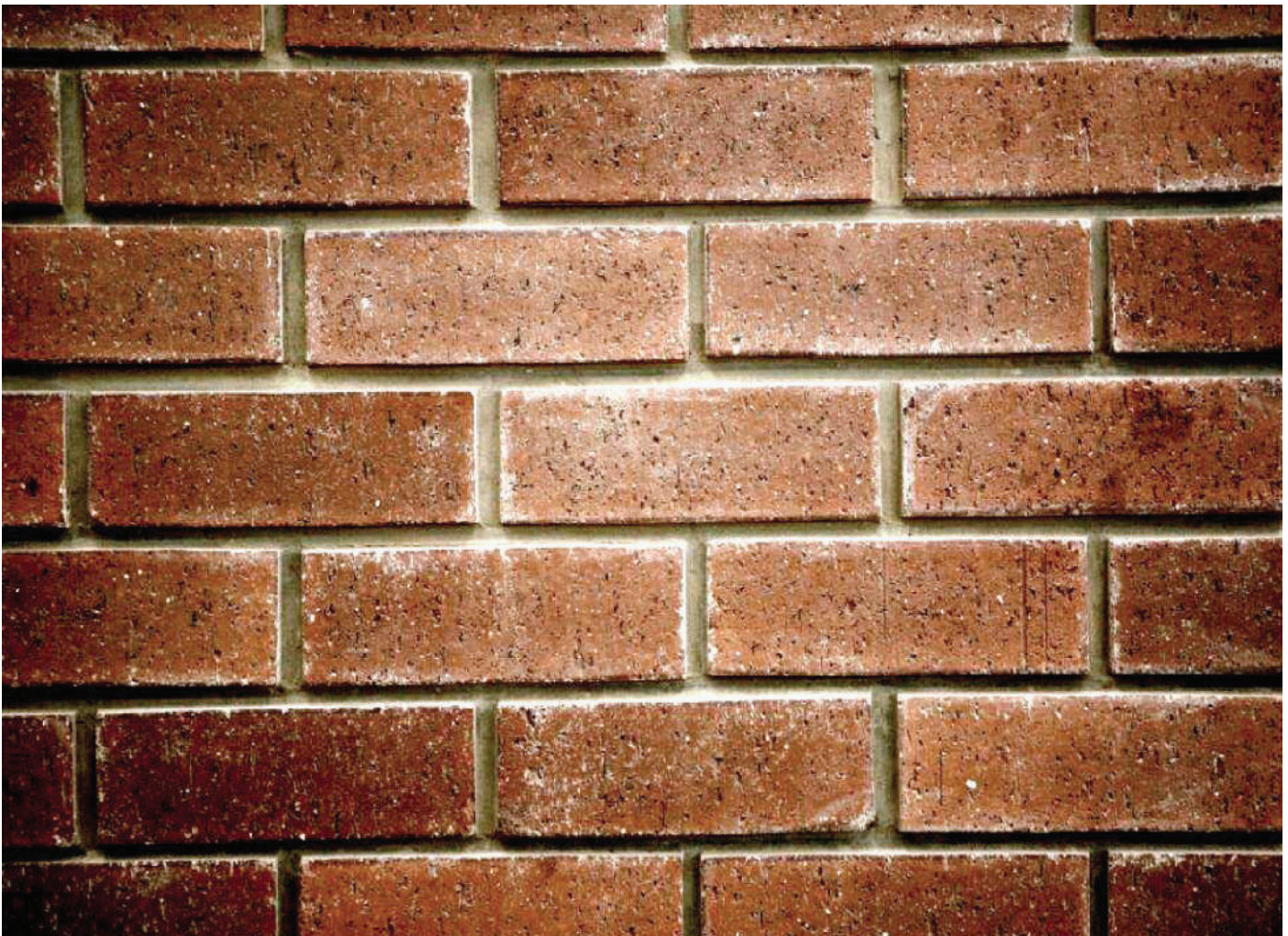
Average Mass 2.66 kg

Average Size 222x106x73 mm

Average Water Absorption 4.25%

Tolerance On Dimensions

	FBS			FBA
Tolerance on work sizes	Length	Width	Height	
1) Individual Units	±7mm	±4mm	±4mm	48 - 54/m ²
2) Average Dimensions	±3.5mm	±2mm	±2mm	Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage			No Requirements



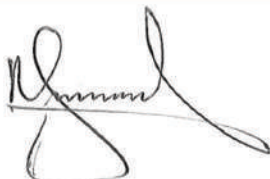
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2 B CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / BHIRHA TRAVERTINE.BHT

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	217	105	71	2.66	3.38	42.04
2	216	106	71	2.64	3.86	28.82
3	220	105	72	2.68	5.24	28.92
4	217	106	70	2.60	4.04	20.53
5	217	104	71	2.69	2.68	24.72
6	219	104	70	2.68	4.48	32.44
7	217	105	71	2.64	4.25	20.45
8	218	104	72	2.67	3.18	31.62
9	216	103	70	2.62	4.89	25.31
10	219	105	71	2.66	4.85	26.87
11	220	106	71	2.65	5.48	21.74
12	220	105	70	2.67	4.61	30.04

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	218 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	105 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	71 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	4.25 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.66 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	27.79 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager: 

Technical Signatory: 

Product Specifications

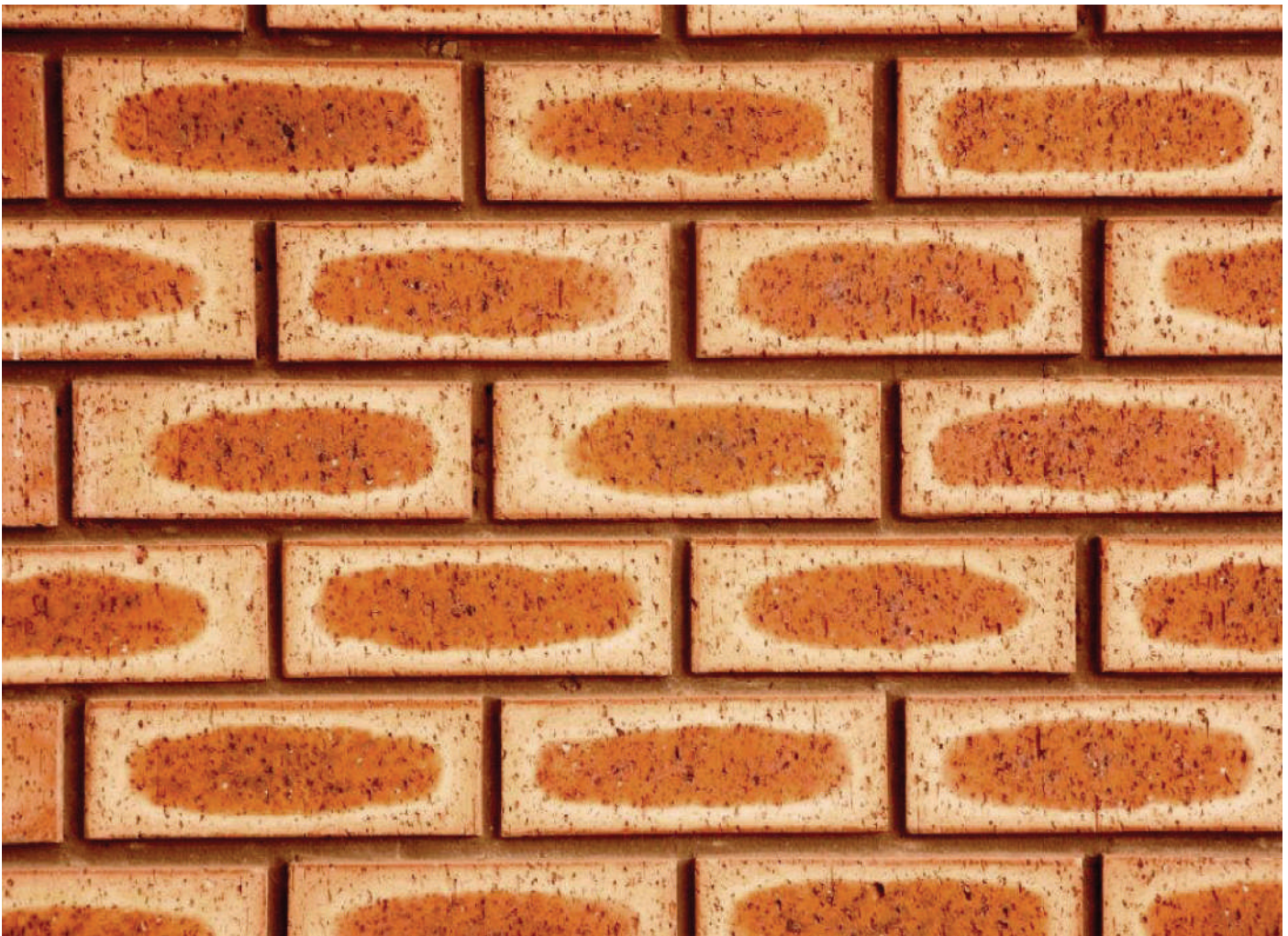
Face Brick

Cathcart Travertine (FBS)

Average Compressive Strength	25.92 MPA
Material	Clay, Perforated
Average Mass	2.51 kg
Average Size	222x106x73 mm
Average Water Absorption	11.33%

Tolerance On Dimensions

	FBS			FBA
Tolerance on work sizes	Length	Width	Height	
1) Individual Units	±7mm	±4mm	±4mm	48 - 54/m ²
2) Average Dimensions	±3.5mm	±2mm	±2mm	Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage			No Requirements



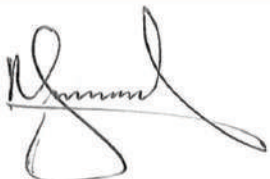
(Latest test sheet available on request)

3 B CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / CATHCART TRAVERTINE (FBS)

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	223	106	72	2.44	10.92	34.28
2	227	111	73	2.49	13.45	29.41
3	223	108	73	2.53	9.83	29.77
4	225	110	75	2.51	12.49	21.57
5	224	110	74	2.55	10.95	21.75
6	222	108	74	2.53	7.64	34.03
7	222	108	73	2.47	9.14	28.65
8	225	109	74	2.51	12.36	19.00
9	226	110	75	2.52	12.67	21.39
10	225	111	75	2.52	12.67	22.14
11	224	110	74	2.50	12.04	24.47
12	225	110	73	2.54	11.84	24.52

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	224 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	109 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	74 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	11.33 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.51 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	25.92 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager: 

Technical Signatory: 

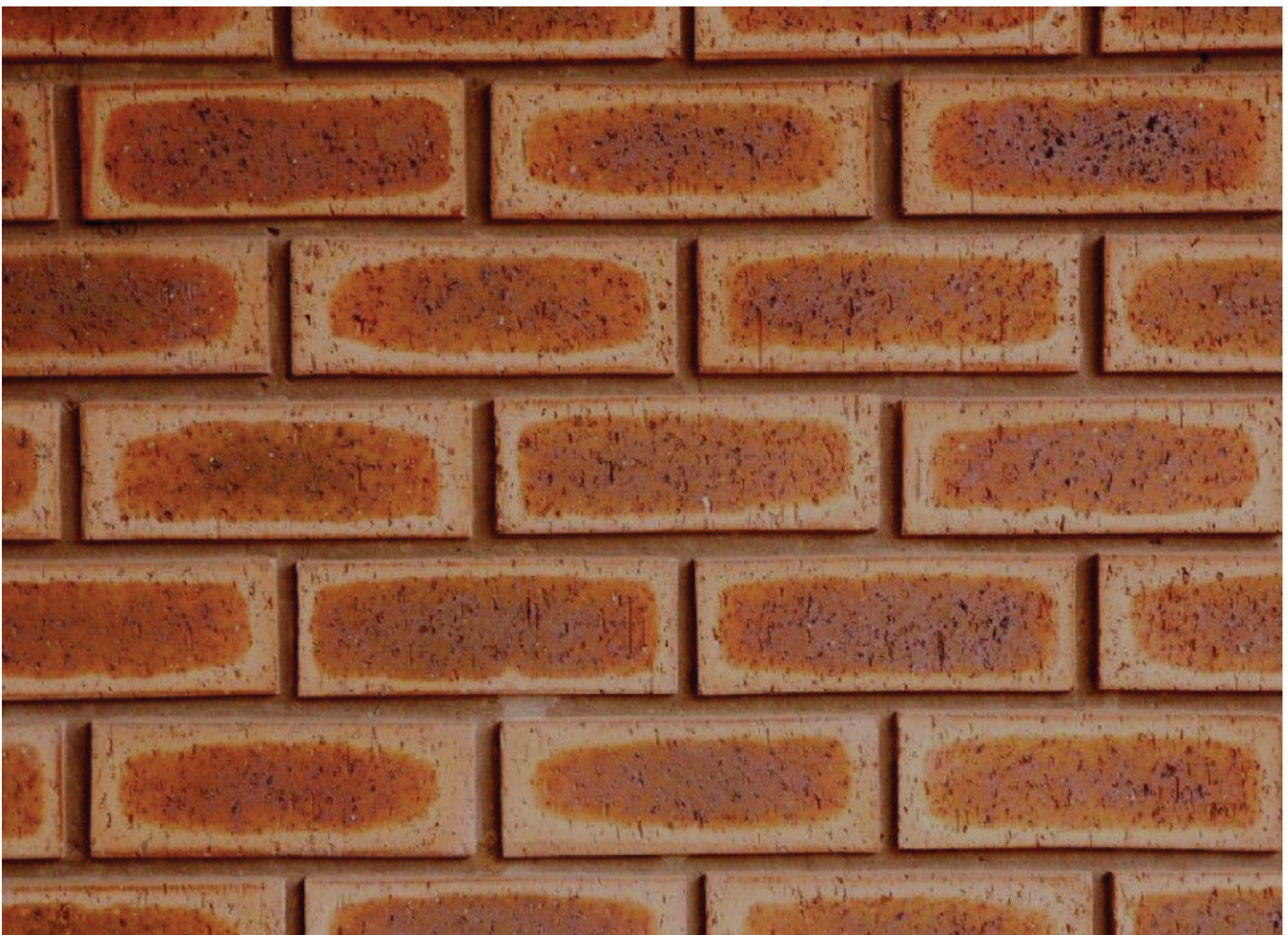
Product Specifications

Face Brick

Cathcart Travertine Dark (FBS)

Average Compressive Strength	35.87 MPA
Material	Clay, Perforated
Average Mass	2.47 kg
Average Size	222x106x73 mm
Average Water Absorption	6.86%

Tolerance On Dimensions			
	FBS		FBA
Tolerance on work sizes	Length	Width	Height
1) Individual Units	±7mm	±4mm	±4mm
2) Average Dimensions	±3.5mm	±2mm	±2mm
			48 - 54/m ² Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage		No Requirements



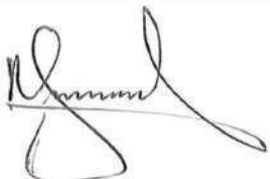
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4 B CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / CATHCART TRAVERTINE DARK - CTD

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	219	107	72	2.48	7.36	38.62
2	218	107	72	2.49	6.95	43.68
3	220	109	73	2.55	7.67	31.42
4	219	105	73	2.43	7.34	32.39
5	218	106	72	2.43	5.77	39.94
6	219	105	72	2.46	6.62	49.09
7	220	108	72	2.55	7.45	42.67
8	220	105	73	2.44	7.09	27.83
9	219	105	73	2.45	6.48	32.78
10	219	105	73	2.44	6.62	29.92
11	219	105	72	2.44	6.38	31.70
12	220	106	72	2.48	6.56	30.36

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	219 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	106 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	72 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	6.86 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.47 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	35.87 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager: 

Technical Signatory: 

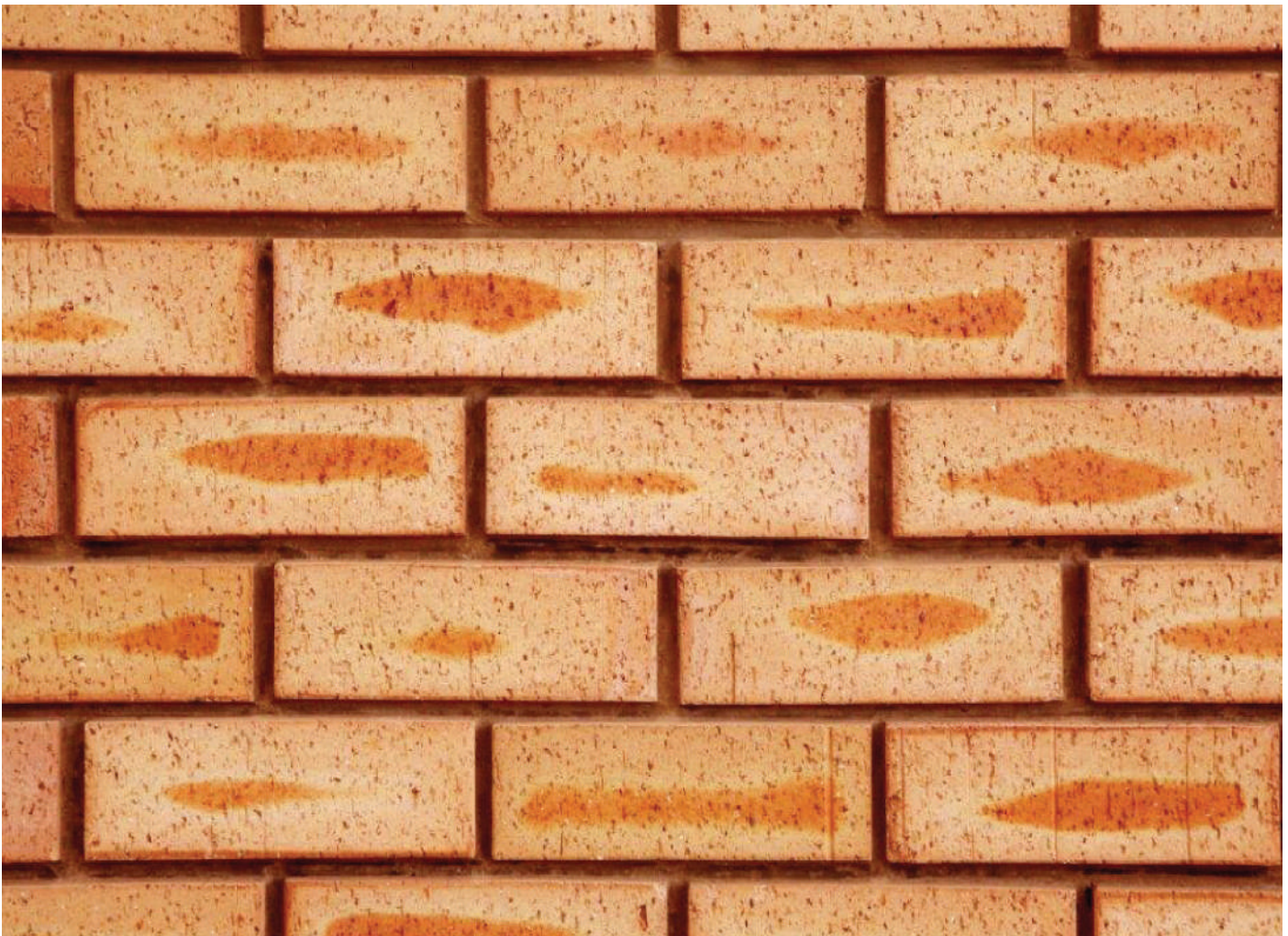
Product Specifications

Face Brick

Cathcart Travertine Light (FBS)

Average Compressive Strength	35.01 MPA
Material	Clay, Perforated
Average Mass	2.47 kg
Average Size	222x106x73 mm
Average Water Absorption	8.17%

Tolerance On Dimensions			
	FBS		FBA
Tolerance on work sizes	Length	Width	Height
1) Individual Units	±7mm	±4mm	±4mm
2) Average Dimensions	±3.5mm	±2mm	±2mm
			48 - 54/m ² Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage		No Requirements



(Latest test sheet available on request)

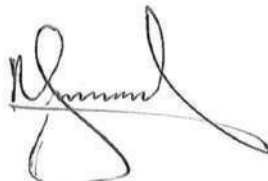
5 B CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / CATHCART TRAVERTINE LIGHT - CTL

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	221	105	72	2.45	8.65	39.51
2	220	105	72	2.47	8.42	29.91
3	220	105	72	2.46	7.48	37.74
4	220	106	73	2.46	8.50	35.20
5	220	107	72	2.46	8.63	31.81
6	220	106	72	2.46	8.83	39.32
7	221	106	73	2.47	8.81	34.32
8	220	106	73	2.49	7.68	41.42
9	219	106	73	2.48	7.95	39.41
10	220	105	72	2.48	7.78	34.43
11	220	106	73	2.50	7.68	29.16
12	220	106	73	2.48	7.67	27.91

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227		
AVERAGE LENGTH :	220 (mm)	± 3.5mm of specified length		
AVERAGE WIDTH :	106 (mm)	± 2.0mm of specified width		
AVERAGE HEIGHT :	73 (mm)	± 2.0mm of specified height		
WATER ABSORPTION :	8.17 (%)	Product Description	FBX	NFX NFP
AVERAGE WEIGHT :	2.47 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5 5.5
AVERAGE STRENGTH :	35.01 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14 7

Operations Manager:



Technical Signatory:



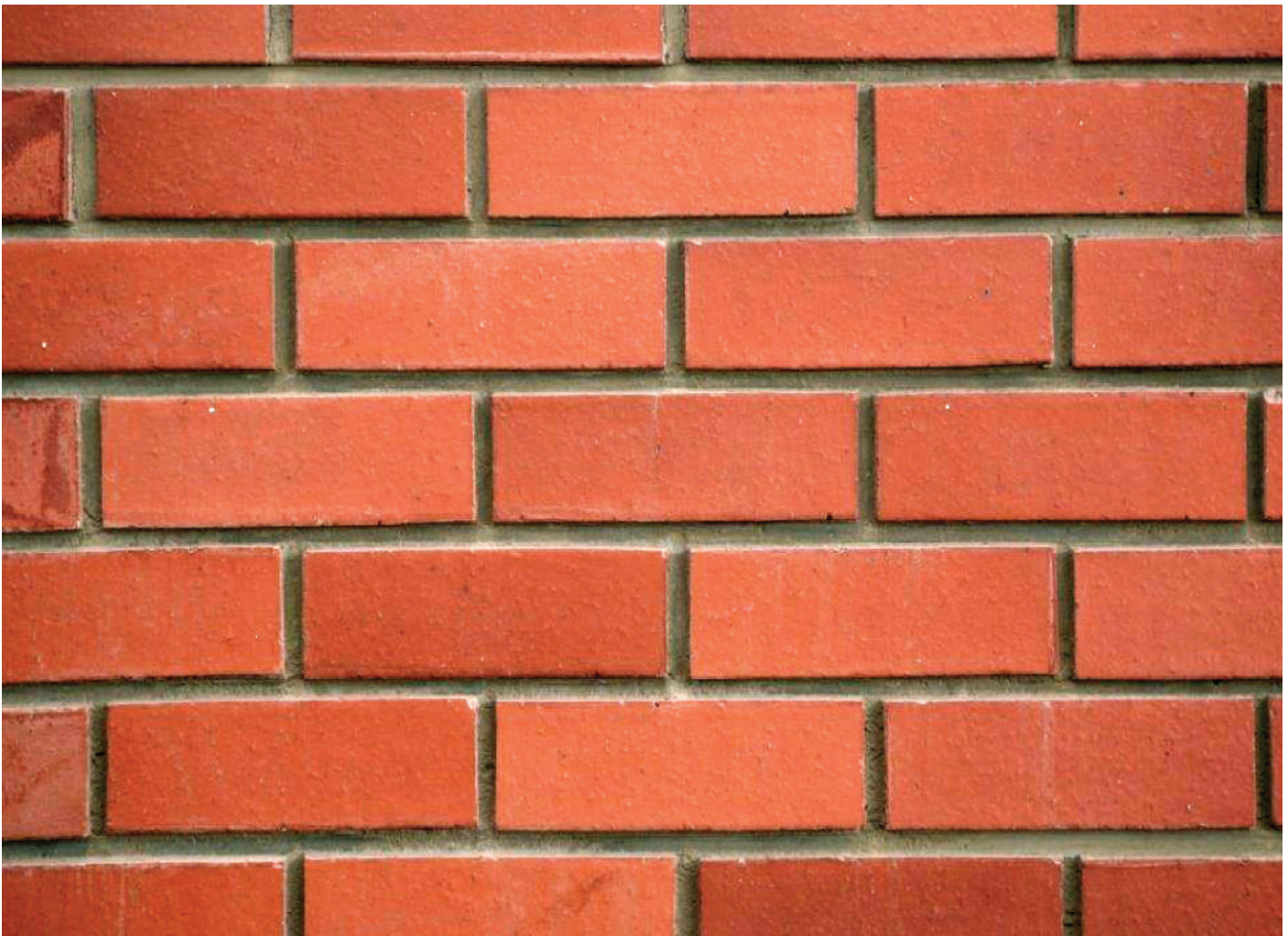
Product Specifications

Face Brick

Heritage Satin (FBS)

Average Compressive Strength	43.71 MPA
Material	Clay, Perforated
Average Mass	2.66 kg
Average Size	222x106x73 mm
Average Water Absorption	4.30%

Tolerance On Dimensions				
	FBS			FBA
Tolerance on work sizes	Length	Width	Height	
1) Individual Units	±7mm	±4mm	±4mm	48 - 54/m ²
2) Average Dimensions	±3.5mm	±2mm	±2mm	Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage			No Requirements



(Latest test sheet available on request)

6 B

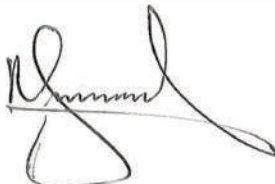
CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / HERITAGE SATIN - HS

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	219	107	72	2.66	4.88	19.88
2	219	107	72	2.67	3.60	50.87
3	218	106	72	2.66	4.27	55.16
4	219	106	71	2.65	4.83	57.42
5	220	107	72	2.65	5.35	55.39
6	219	106	72	2.68	4.44	44.75
7	218	106	72	2.66	2.82	50.37
8	219	106	72	2.67	4.46	48.37
9	217	106	71	2.65	3.92	39.90
10	219	107	72	2.65	4.67	28.42
11	217	107	72	2.66	3.94	38.54
12	219	107	72	2.65	4.42	35.46

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	219 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	107 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	72 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	4.30 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.66 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	43.71 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager:



Technical Signatory:



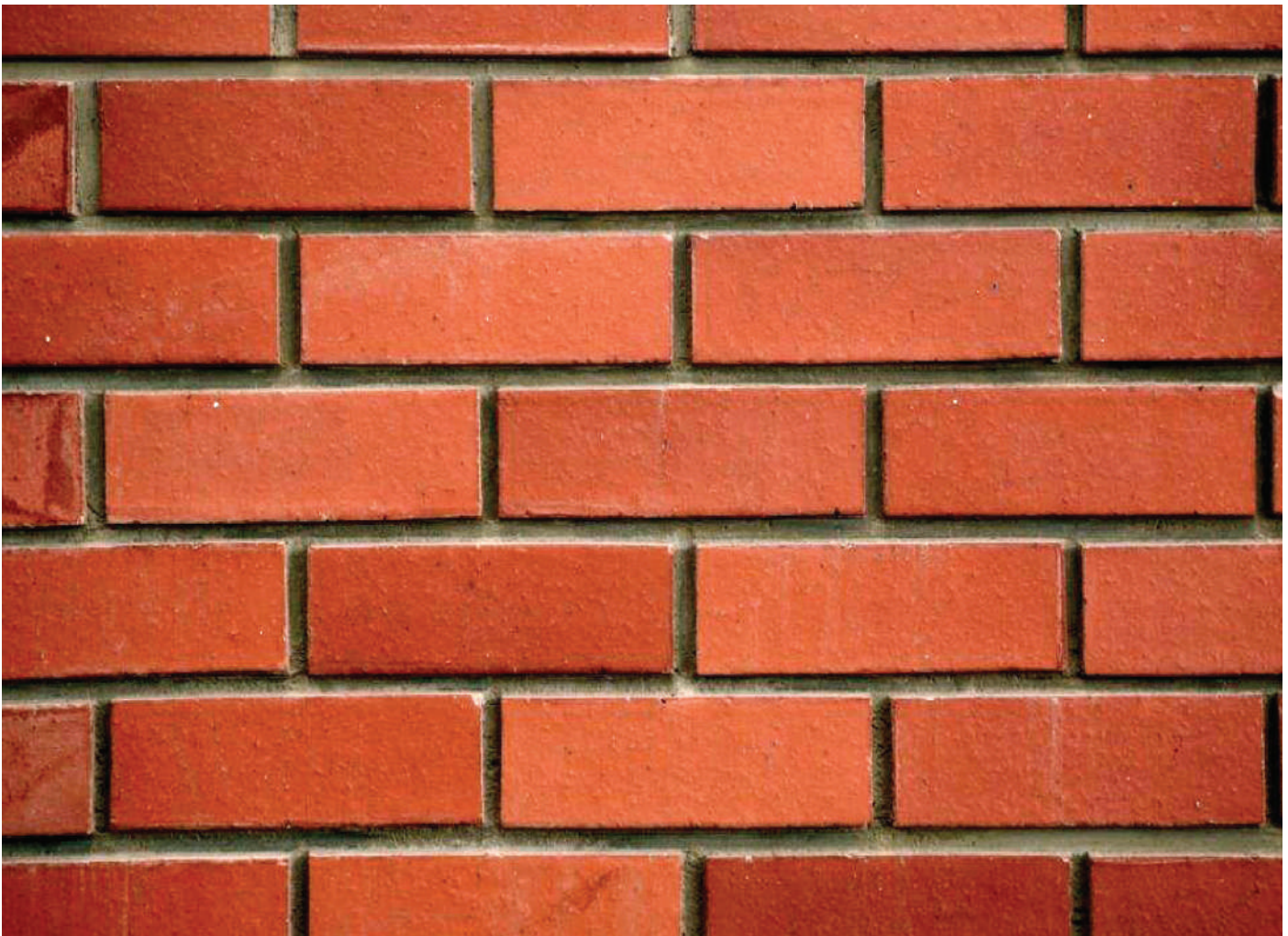
Product Specifications

Face Brick

Heritage Satin Dark (FBS)

Average Compressive Strength	51.62 MPA
Material	Clay, Perforated
Average Mass	2.67 kg
Average Size	222x106x73 mm
Average Water Absorption	3.02%

Tolerance On Dimensions				
	FBS			FBA
Tolerance on work sizes	Length	Width	Height	
1) Individual Units	±7mm	±4mm	±4mm	48 - 54/m ²
2) Average Dimensions	±3.5mm	±2mm	±2mm	Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage			No Requirements



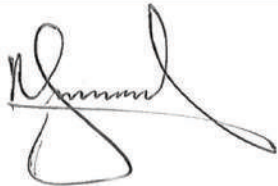
(Latest test available on request)

7 B CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / HERITAGE SATIN DARK - HSD

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	222	107	72	2.68	3.51	64.99
2	217	106	71	2.69	2.51	54.69
3	218	107	73	2.70	3.14	58.68
4	219	106	72	2.66	2.67	73.79
5	219	106	71	2.65	2.82	55.09
6	219	107	72	2.68	2.76	45.83
7	219	107	73	2.66	3.30	42.58
8	219	107	72	2.67	2.76	45.11
9	220	107	71	2.68	4.22	35.55
10	218	107	72	2.69	2.71	42.22
11	219	107	72	2.66	3.04	62.73
12	219	107	71	2.65	2.83	38.15

NUMBER OF SAMPLES :	12	UNITS	SPECIFICATION AS PER SABS 227		
AVERAGE LENGTH :	219	(mm)	± 3.5mm of specified length		
AVERAGE WIDTH :	107	(mm)	± 2.0mm of specified width		
AVERAGE HEIGHT :	72	(mm)	± 2.0mm of specified height		
WATER ABSORPTION :	3.02	(%)	Product Description	FBX	NFX NFP
AVERAGE WEIGHT :	2.67	(KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5 5.5
AVERAGE STRENGTH :	51.62	(MPa)	AVERAGE STRENGTH (Mpa) :	17	14 7

Operations Manager: 

Technical Signatory: 

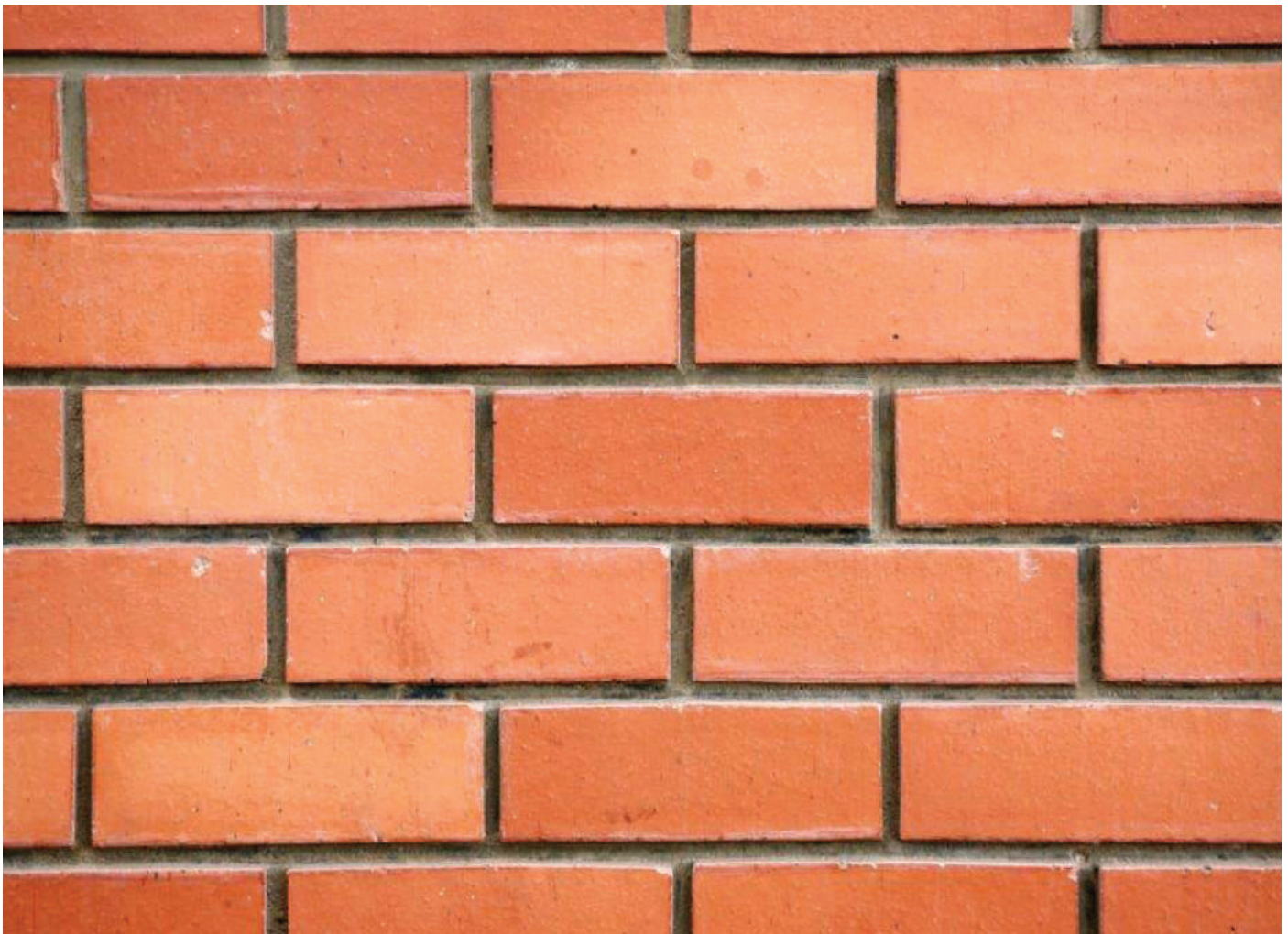
Product Specifications

Face Brick

Heritage Satin Light (FBS)

Average Compressive Strength	25.42 MPA
Material	Clay, Perforated
Average Mass	2.69 kg
Average Size	222x106x73 mm
Average Water Absorption	7.61%

Tolerance On Dimensions			
	FBS		FBA
Tolerance on work sizes	Length	Width	Height
1) Individual Units	±7mm	±4mm	±4mm
2) Average Dimensions	±3.5mm	±2mm	±2mm
Warpage	No individual units to exceed 5mm warpage		No Requirements



(Latest test available on request)

8 B

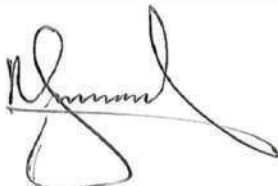
CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / HERITAGE SATIN LIGHT - HSL

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	224	109	73	2.71	6.76	25.23
2	226	111	74	2.67	9.56	22.67
3	222	109	73	2.70	8.52	23.51
4	223	110	73	2.71	6.64	31.51
5	225	110	74	2.68	8.76	22.34
6	225	110	73	2.70	9.02	22.22
7	223	109	73	2.70	7.25	29.49
8	222	109	73	2.69	6.87	25.00
9	224	109	73	2.69	8.51	28.63
10	223	109	73	2.69	7.14	27.15
11	222	108	72	2.71	5.19	22.47
12	223	109	73	2.69	7.15	24.81

NUMBER OF SAMPLES :	12	UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	224	(mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	109	(mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	73	(mm)	± 2.0mm of specified height			
WATER ABSORPTION :	7.61	(%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.69	(KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	25.42	(MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager:



Technical Signatory:



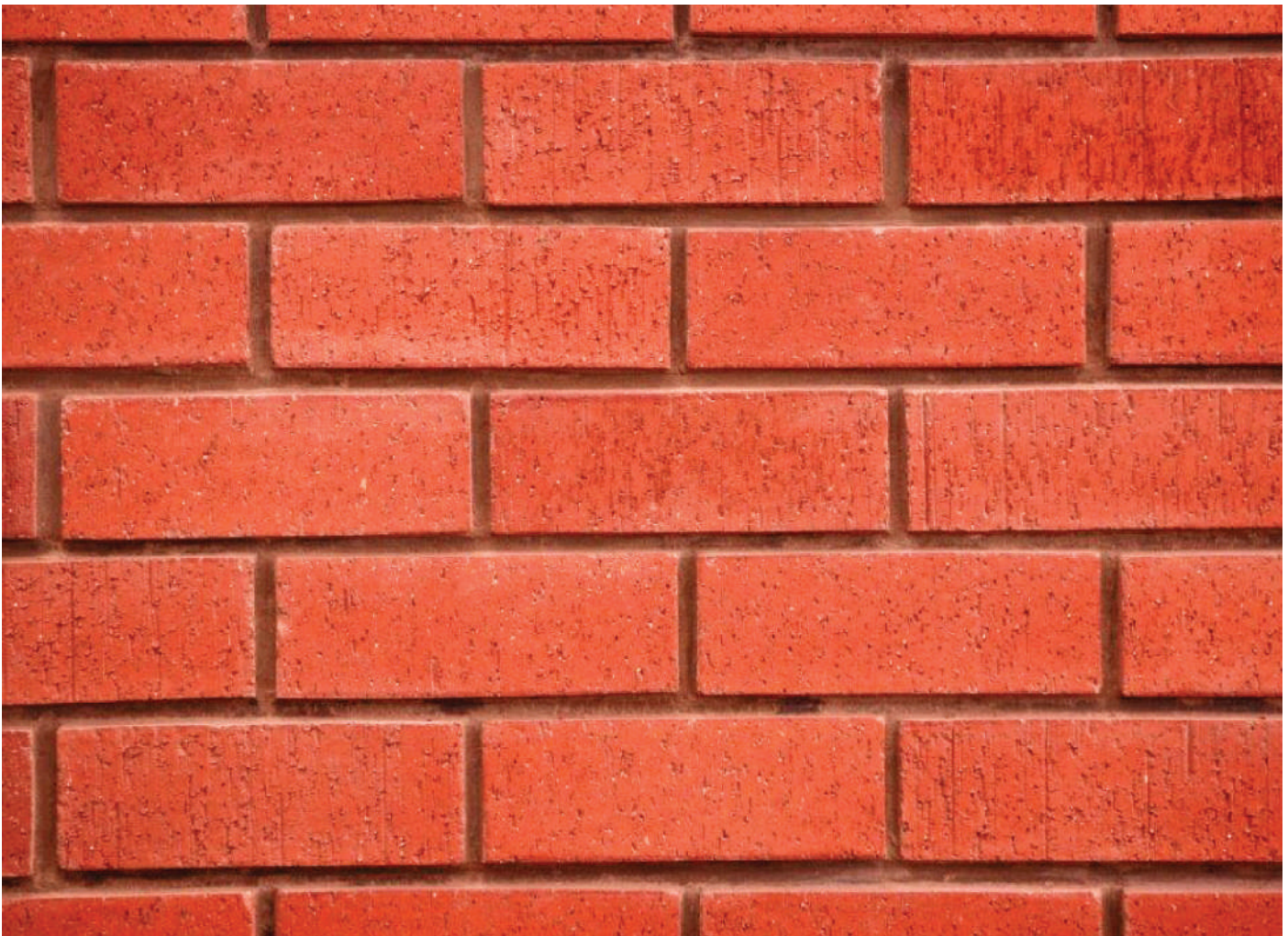
Product Specifications

Face Brick

Heritage Travertine (FBS)

Average Compressive Strength	35.75 MPA
Material	Clay, Perforated
Average Mass	2.53kg
Average Size	222x106x73 mm
Average Water Absorption	5.16%

Tolerance On Dimensions			
	FBS		FBA
Tolerance on work sizes	Length	Width	Height
1) Individual Units	±7mm	±4mm	±4mm
2) Average Dimensions	±3.5mm	±2mm	±2mm
Warpage	No individual units to exceed 5mm warpage		No Requirements



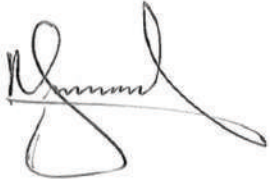
(Latest test sheet available on request)

9 B CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / HERITAGE TRAVERTINE - HT

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	217	104	73	2.53	5.05	34.36
2	219	105	71	2.53	5.73	32.14
3	219	106	73	2.52	5.39	31.72
4	219	107	73	2.55	5.09	32.11
5	215	105	72	2.48	3.95	38.05
6	219	105	72	2.52	6.00	30.53
7	220	106	74	2.54	6.46	34.60
8	219	107	73	2.53	5.10	38.57
9	220	106	72	2.55	5.93	38.98
10	217	106	72	2.58	3.33	50.21
11	220	106	73	2.52	5.27	33.06
12	219	106	72	2.53	4.66	32.48

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	219 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	106 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	73 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	5.16 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.53 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	35.57 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager: 

Technical Signatory: 

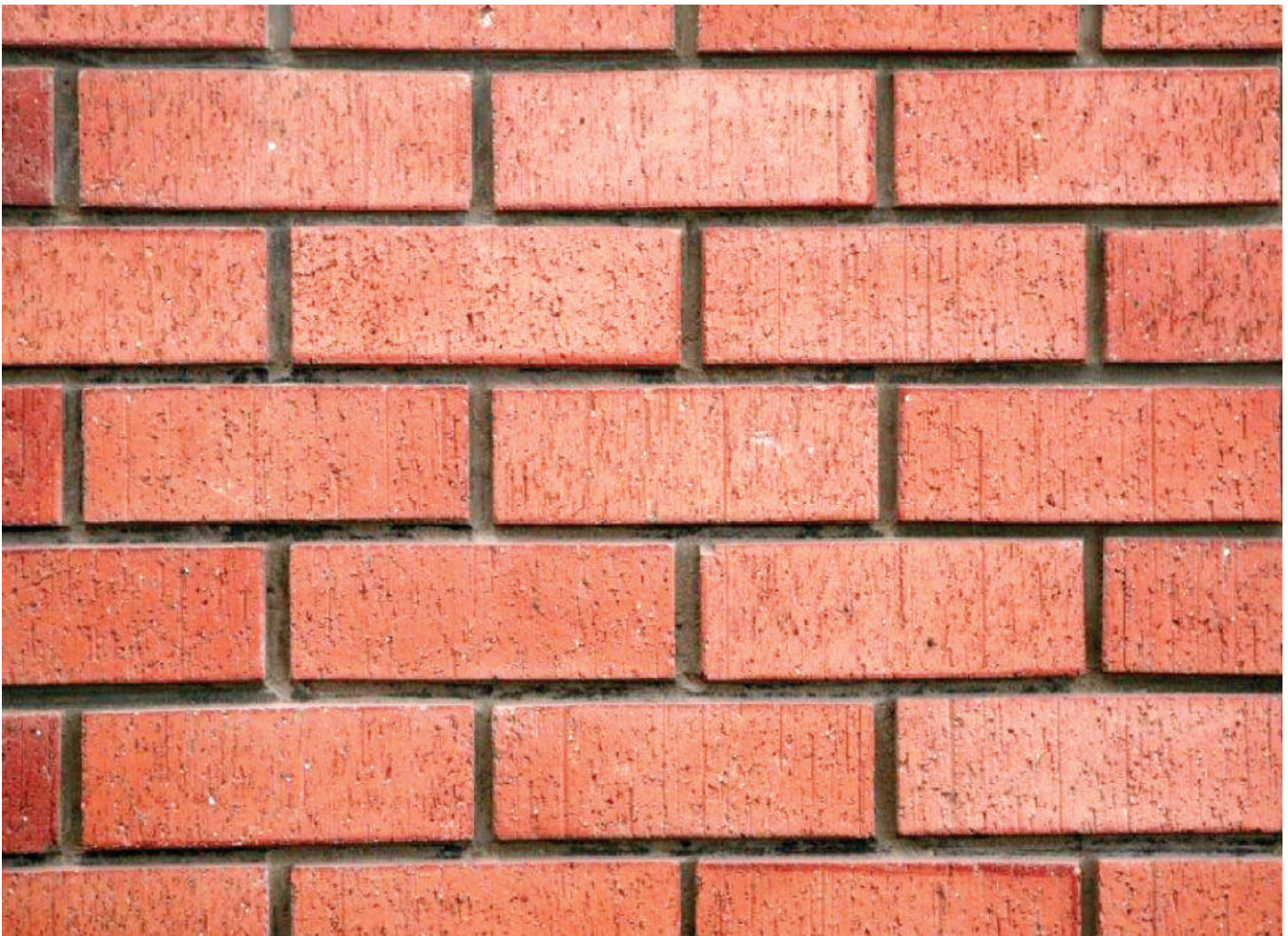
Product Specifications

Face Brick

Heritage Travertine Light (FBS)

Average Compressive Strength	21.33 MPA
Material	Clay, Perforated
Average Mass	2.53kg
Average Size	222x106x73 mm
Average Water Absorption	8.97%

Tolerance On Dimensions				
	FBS			FBA
Tolerance on work sizes	Length	Width	Height	
1) Individual Units	±7mm	±4mm	±4mm	48 - 54/m ²
2) Average Dimensions	±3.5mm	±2mm	±2mm	Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage			No Requirements



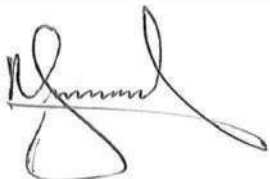
(Latest test available on request)

10 B **CERTIFICATE | BURNT CLAY MASONRY UNITS**

PRODUCT DESCRIPTION / HERITAGE TRAVERTINE LIGHT - HTL

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	223	110	74	2.53	9.44	24.42
2	222	107	72	2.47	9.26	23.50
3	222	106	73	2.54	7.83	25.84
4	220	108	73	2.55	6.70	18.26
5	221	109	74	2.50	7.80	23.83
6	222	110	74	2.55	8.48	21.21
7	224	108	73	2.54	10.33	23.60
8	224	107	73	2.53	8.31	19.44
9	224	107	72	2.51	11.25	17.10
10	223	107	73	2.56	8.40	20.62
11	221	106	72	2.54	9.48	23.13
12	225	108	75	2.51	10.37	15.02

NUMBER OF SAMPLES :	12	UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	223	(mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	108	(mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	73	(mm)	± 2.0mm of specified height			
WATER ABSORPTION :	8.97	(%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.53	(KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	21.33	(MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager: 

Technical Signatory: 

Product Specifications

Face Brick

Kowie Travertine (FBS)

Average Compressive Strength	39.71 MPA
Material	Clay, Perforated
Average Mass	2.51kg
Average Size	222x106x73 mm
Average Water Absorption	6.51%

Tolerance On Dimensions			
	FBS		FBA
Tolerance on work sizes	Length	Width	Height
1) Individual Units	±7mm	±4mm	±4mm
2) Average Dimensions	±3.5mm	±2mm	±2mm
Warpage	No individual units to exceed 5mm warpage		No Requirements



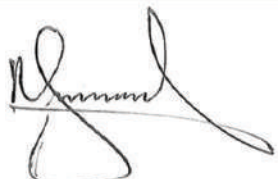
(Latest test available on request)

11 B **CERTIFICATE | BURNT CLAY MASONRY UNITS**

PRODUCT DESCRIPTION / KOWIE TRAVERTINE - KT

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	221	104	71	2.53	5.36	56.38
2	219	102	70	2.46	6.98	29.81
3	222	106	72	2.50	6.87	31.06
4	222	107	72	2.55	6.17	50.18
5	220	106	71	2.49	6.11	36.66
6	222	107	72	2.50	5.67	51.06
7	221	106	72	2.58	5.54	26.76
8	222	107	72	2.54	6.88	29.51
9	221	107	71	2.50	7.32	41.57
10	221	106	71	2.47	7.31	36.45
11	220	106	71	2.50	6.81	56.77
12	220	105	70	2.47	7.04	30.30

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227		
AVERAGE LENGTH :	221 (mm)	± 3.5mm of specified length		
AVERAGE WIDTH :	106 (mm)	± 2.0mm of specified width		
AVERAGE HEIGHT :	71 (mm)	± 2.0mm of specified height		
WATER ABSORPTION :	6.51 (%)	Product Description	FBX	NFX NFP
AVERAGE WEIGHT :	2.51 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5 5.5
AVERAGE STRENGTH :	39.71 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14 7

Operations Manager: 

Technical Signatory: 

Product Specifications

Face Brick

Kowie Travertine Dark (FBS)

Average Compressive Strength	23.18 MPA
Material	Clay, Perforated
Average Mass	2.50kg
Average Size	222x106x73 mm
Average Water Absorption	9.95%

Tolerance On Dimensions			
	FBS		FBA
Tolerance on work sizes	Length	Width	Height
1) Individual Units	±7mm	±4mm	±4mm
2) Average Dimensions	±3.5mm	±2mm	±2mm
			48 - 54/m ² Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage		No Requirements



(Latest test available on request)

12 B **CERTIFICATE | BURNT CLAY MASONRY UNITS**

PRODUCT DESCRIPTION / KOWIE DARK TRAVERTINE. KTD.

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	223	109	74	2.49	11.21	24.64
2	220	107	72	2.52	8.09	24.29
3	220	107	72	2.49	7.42	27.99
4	220	107	72	2.51	7.07	27.14
5	224	109	74	2.51	11.56	18.43
6	220	108	72	2.51	8.11	26.34
7	225	108	73	2.51	11.88	16.13
8	225	110	73	2.49	12.39	15.63
9	224	110	73	2.49	12.11	21.51
10	221	107	72	2.49	7.17	32.05
225	222	108	72	2.49	10.46	24.77
12	225	107	74	2.49	11.89	19.19

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	223 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	108 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	73 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	9.95 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.50 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	23.18 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager: _____

Technical Signatory: _____

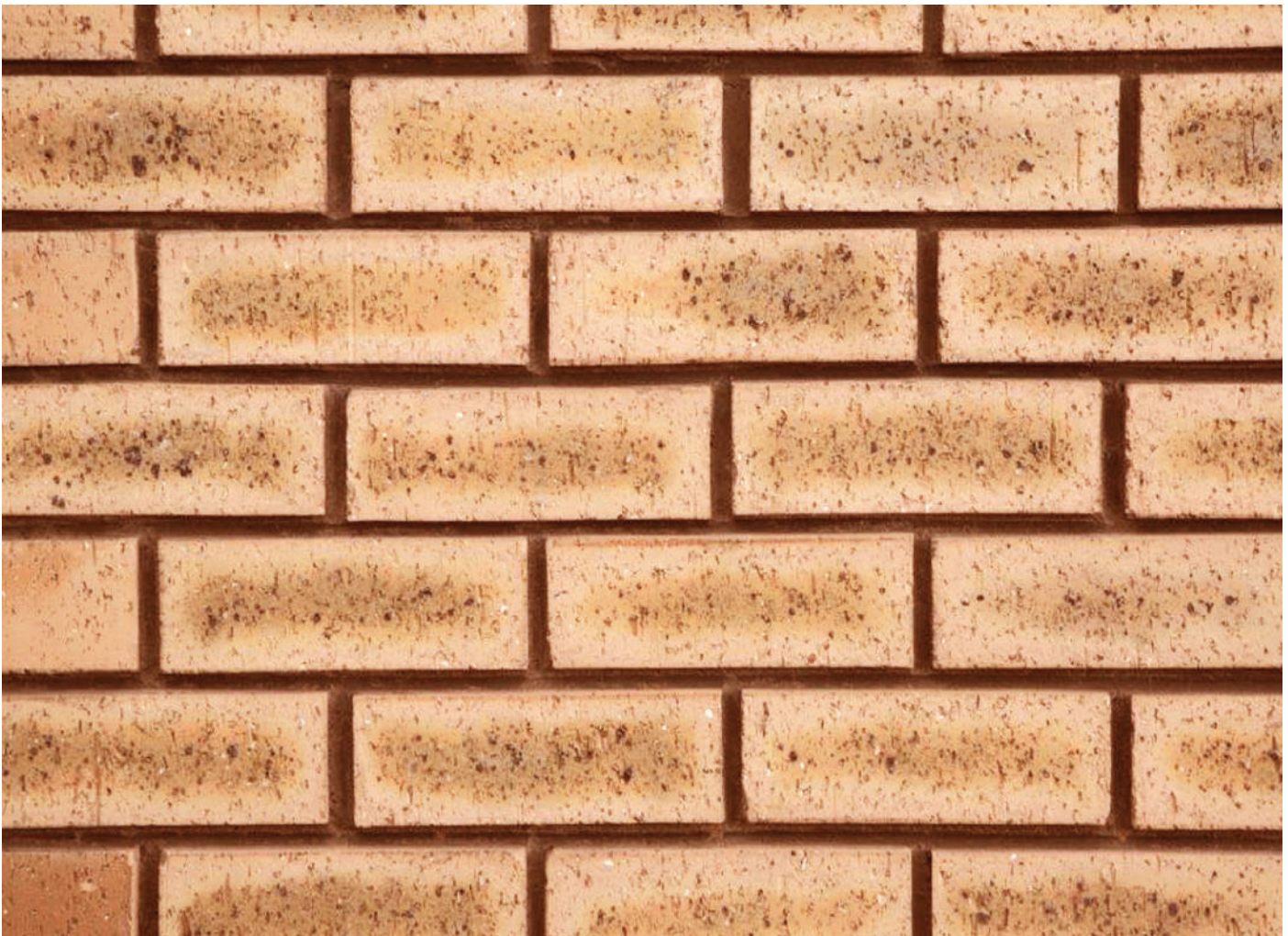
Product Specifications

Face Brick

Qunu Travertine (FBS)

Average Compressive Strength	39.10 MPA
Material	Clay, Perforated
Average Mass	2.44kg
Average Size	222x106x73 mm
Average Water Absorption	5.29%

Tolerance On Dimensions			
	FBS		FBA
Tolerance on work sizes	Length	Width	Height
1) Individual Units	±7mm	±4mm	±4mm
2) Average Dimensions	±3.5mm	±2mm	±2mm
Warpage	No individual units to exceed 5mm warpage		No Requirements



(Latest test sheet available on request)

13 B

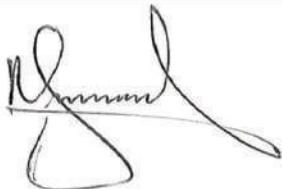
CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / QUNU TRAVERTINE - QT

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	220	105	72	2.46	5.28	56.19
2	220	106	73	2.41	6.96	39.79
3	219	105	73	2.48	4.39	55.09
4	219	105	72	2.45	3.96	56.92
5	220	105	73	2.45	4.61	35.36
6	219	105	72	2.46	4.31	43.05
7	218	105	72	2.43	4.69	42.85
8	220	105	73	2.45	6.09	32.03
9	220	105	74	2.42	6.65	31.90
10	218	105	73	2.43	5.77	23.02
11	220	106	73	2.41	6.35	25.94
12	218	105	73	2.45	4.40	27.04

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	219 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	105 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	73 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	5.29 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.44 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	39.10 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager:



Technical Signatory:



Product Specifications

Face Brick

Qunu Travertine Dark (FBS)

Average Compressive Strength	32.21 MPA
Material	Clay, Perforated
Average Mass	2.49kg
Average Size	222x106x73 mm
Average Water Absorption	4.30%

Tolerance On Dimensions			
	FBS		FBA
Tolerance on work sizes	Length	Width	Height
1) Individual Units	±7mm	±4mm	±4mm
2) Average Dimensions	±3.5mm	±2mm	±2mm
Warpage	No individual units to exceed 5mm warpage		No Requirements



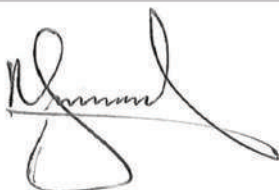
(Latest test available on request)

14 B **CERTIFICATE | BURNT CLAY MASONRY UNITS**

PRODUCT DESCRIPTION / QUNU TRAVERTINE DARK - QTD

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	222	105	73	2.49	4.77	27.45
2	221	105	73	2.48	1.44	28.05
3	220	105	72	2.49	5.09	34.71
4	220	105	72	2.51	4.91	28.70
5	220	106	72	2.48	5.35	26.45
6	220	105	72	2.51	3.66	35.51
7	220	106	72	2.49	4.33	30.23
8	221	106	72	2.51	4.22	26.28
9	221	106	72	2.47	4.20	37.56
10	220	105	73	2.45	3.78	35.71
11	220	105	72	2.49	5.74	41.60
12	222	105	73	2.45	4.08	34.27

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	221 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	105 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	72 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	4.30 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.49 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	32.21 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager: 

Technical Signatory: 

Product Specifications

Face Brick

Qunu Travertine Light (FBS)

Average Compressive Strength	35.57 MPA
Material	Clay, Perforated
Average Mass	2.47kg
Average Size	222x106x73 mm
Average Water Absorption	5.34%

Tolerance On Dimensions				
	FBS			FBA
Tolerance on work sizes	Length	Width	Height	
1) Individual Units	±7mm	±4mm	±4mm	48 - 54/m ²
2) Average Dimensions	±3.5mm	±2mm	±2mm	Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage			No Requirements



(Latest test available on request)

15 B

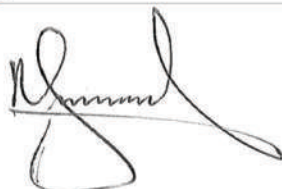
CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / QUNU TRAVERTINE LIGHT - QTL

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	218	105	71	2.44	4.39	47.35
2	220	106	74	2.49	5.69	41.21
3	219	107	72	2.50	4.84	52.12
4	221	106	74	2.46	7.12	22.88
5	221	108	73	2.60	2.46	45.46
6	222	108	74	2.45	7.71	22.35
7	220	106	72	2.42	4.72	36.02
8	220	108	72	2.48	5.81	33.75
9	218	105	71	2.43	4.41	38.22
10	219	107	72	2.49	5.50	34.74
11	219	106	71	2.45	6.62	28.00
12	219	106	72	2.47	4.85	24.77

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	220 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	107 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	72 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	5.34 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.47 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	35.57 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager:



Technical Signatory:



Product Specifications

Face Brick

Clinker

Average Compressive Strength	43.36 MPA
Material	Clay, Perforated
Average Mass	3.26kg
Average Size	222x106x73 mm
Average Water Absorption	6.09%

Tolerance On Dimensions

	FBS			FBA
Tolerance on work sizes	Length	Width	Height	
1) Individual Units	±7mm	±4mm	±4mm	48 - 54/m ²
2) Average Dimensions	±3.5mm	±2mm	±2mm	Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage			No Requirements



(Latest test available on request)

16 B

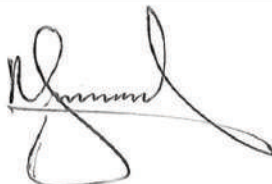
CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / CLINKER

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	219	104	70	3.23	5.96	55.36
2	220	106	70	3.29	6.51	55.74
3	219	106	72	3.24	6.70	46.44
4	219	104	71	3.24	6.26	40.16
5	219	105	70	3.22	6.42	36.44
6	219	105	70	3.25	5.83	42.53
7	220	106	71	3.27	5.93	34.62
8	220	104	71	3.26	6.04	41.96
9	218	104	71	3.28	5.99	51.43
10	220	104	71	3.24	5.55	40.43
11	219	104	70	3.29	5.99	33.41
12	219	105	71	3.26	5.85	41.83

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	219 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	105 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	71 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	6.09 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	3.26 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	43.36 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager:



Technical Signatory:



Product Specifications

Face Brick

Grahamstown Ironspot - IS

Average Compressive Strength	47.51 MPA
Material	Clay, Perforated
Average Mass	3.25kg
Average Size	222x106x73 mm
Average Water Absorption	6.02%

Tolerance On Dimensions

	FBS			FBA
Tolerance on work sizes	Length	Width	Height	
1) Individual Units	±7mm	±4mm	±4mm	48 - 54/m ²
2) Average Dimensions	±3.5mm	±2mm	±2mm	Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage			No Requirements



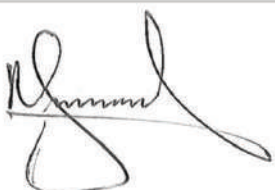
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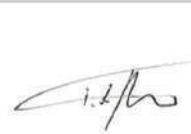
17 B **CERTIFICATE | BURNT CLAY MASONRY UNITS**

PRODUCT DESCRIPTION / IRON SPOT SOLID - IS

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	221	106	72	3.26	6.75	46.18
2	219	106	70	3.28	5.33	58.93
3	220	105	71	3.23	5.73	50.13
4	219	106	71	3.27	5.88	55.26
5	220	106	71	3.28	5.21	48.15
6	220	106	72	3.22	6.39	45.11
7	219	105	71	3.25	6.34	50.84
8	221	106	71	3.24	5.18	49.13
9	220	107	71	3.28	6.80	43.84
10	219	106	71	3.24	5.87	42.25
11	220	105	72	3.26	6.08	45.67
12	220	106	71	3.24	6.67	34.65

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227		
AVERAGE LENGTH :	220 (mm)	± 3.5mm of specified length		
AVERAGE WIDTH :	106 (mm)	± 2.0mm of specified width		
AVERAGE HEIGHT :	71 (mm)	± 2.0mm of specified height		
WATER ABSORPTION :	6.02 (%)	Product Description	FBX	NFX NFP
AVERAGE WEIGHT :	3.25 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5 5.5
AVERAGE STRENGTH :	47.51 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14 7

Operations Manager: 

Technical Signatory: 

Product Specifications

Face Brick

Kariega Travertine (FBA)

Average Compressive Strength	34.61 MPA
Material	Clay, Perforated
Average Mass	2.96kg
Average Size	222x106x73 mm
Average Water Absorption	5.12%

Tolerance On Dimensions				
	FBS			FBA
Tolerance on work sizes	Length	Width	Height	
1) Individual Units	±7mm	±4mm	±4mm	48 - 54/m ²
2) Average Dimensions	±3.5mm	±2mm	±2mm	Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage			No Requirements



(Latest test available on request)

18 B

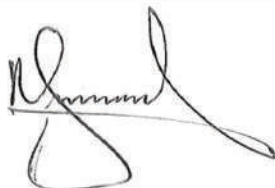
CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / KARIEGA TRAVERTINE -KRT

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	221	108	70	2.88	9.04	25.28
2	220	106	71	2.96	5.80	20.87
3	222	109	72	2.86	9.33	27.77
4	222	107	70	3.03	6.37	48.54
5	221	107	70	2.93	6.11	32.43
6	221	107	70	2.84	6.86	29.68
7	222	108	71	3.08	6.23	31.57
8	223	106	71	2.93	8.39	36.34
9	221	106	70	2.97	6.32	44.73
10	220	108	70	2.98	5.84	41.16
11	220	109	70	3.02	6.45	36.03
12	219	109	71	3.08	6.37	35.52

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	221 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	108 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	71 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	6.93 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.96 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	34.16 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager:



Technical Signatory:



Product Specifications

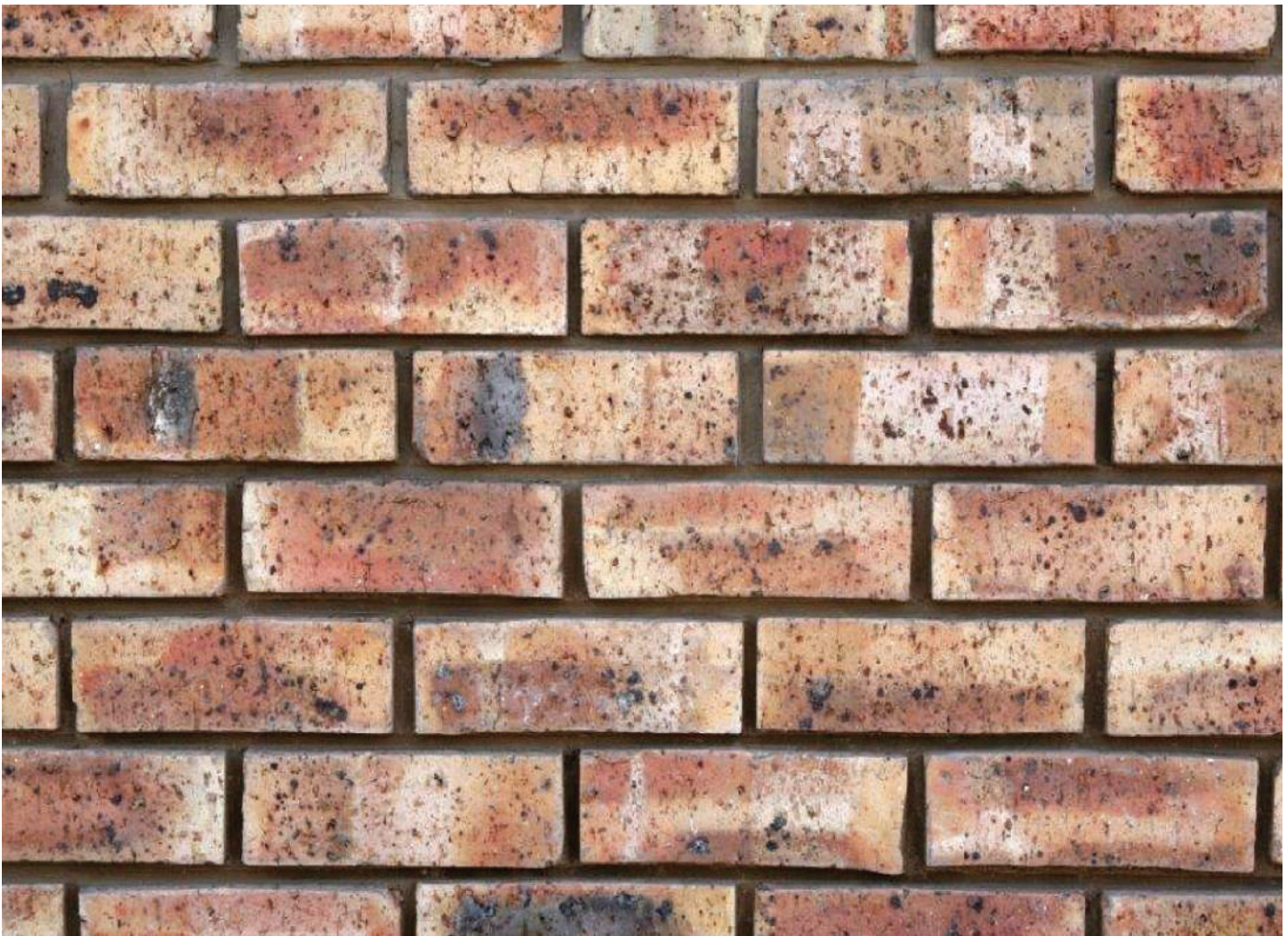
Face Brick

Kariega Travertine Dark (FBA)

Average Compressive Strength	51.57 MPA
Material	Clay, Perforated
Average Mass	3.26kg
Average Size	222x106x73 mm
Average Water Absorption	5.46%

Tolerance On Dimensions

	FBS			FBA
Tolerance on work sizes	Length	Width	Height	
1) Individual Units	±7mm	±4mm	±4mm	48 - 54/m ²
2) Average Dimensions	±3.5mm	±2mm	±2mm	Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage			No Requirements



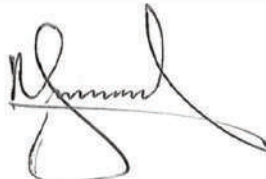
(Latest test available on request)

19 B **CERTIFICATE | BURNT CLAY MASONRY UNITS**

PRODUCT DESCRIPTION / KARIEGA TRAVERTINE DARK - KTD

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	220	107	72	3.21	5.63	45.66
2	222	104	73	3.23	6.16	51.19
3	218	109	72	3.25	5.45	72.08
4	220	107	72	3.30	5.53	56.11
5	223	108	73	3.38	5.12	55.47
6	221	107	73	3.34	5.33	59.50
7	219	107	72	3.21	5.36	36.83
8	223	107	71	3.32	3.46	47.15
9	223	107	73	3.31	5.64	43.84
10	220	106	71	3.15	5.96	43.05
11	221	107	71	3.15	6.37	44.32
12	217	106	72	3.25	5.47	63.64

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	221 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	107 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	72 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	5.46 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	3.26 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	51.57 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager: 

Technical Signatory: 

Product Specifications

Paving Brick

Mbashe 73mm Paver

Average Compressive Strength 47.51 MPA

Material Clay

Average Mass 3.25kg

Average Size 222x106x73 mm

Average Water Absorption 6.02%

Individual Units (mm)				Average Tolerance of 32 Units (mm)		
Class	Length	Width	Thickness	Length	Width	Thickness
PA	±5	±3	±3	±2.5	±1.5	±1.2
PB	±6	±4	±4	±3	±2.0	±2.0



1 B CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / MBHASHE 73MM PAVER - PBMB73

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	221	106	72	3.26	6.75	46.18
2	219	106	70	3.28	5.33	58.93
3	220	105	71	3.23	5.73	50.13
4	219	106	71	3.27	5.88	55.26
5	220	106	71	3.28	5.21	48.15
6	220	106	72	3.22	6.39	45.11
7	219	105	71	3.25	6.34	50.84
8	221	106	71	3.24	5.18	49.13
9	220	107	71	3.28	6.80	43.84
10	219	106	71	3.24	5.87	42.25
11	220	105	72	3.26	6.08	45.67
12	220	106	71	3.24	6.67	34.65

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	220 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	106 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	71 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	6.02 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	3.25 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	47.51 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager:



Technical Signatory:



Product Specifications

Paving Brick

Rhodes 73mm Paver

Average Compressive Strength 57.20 MPA

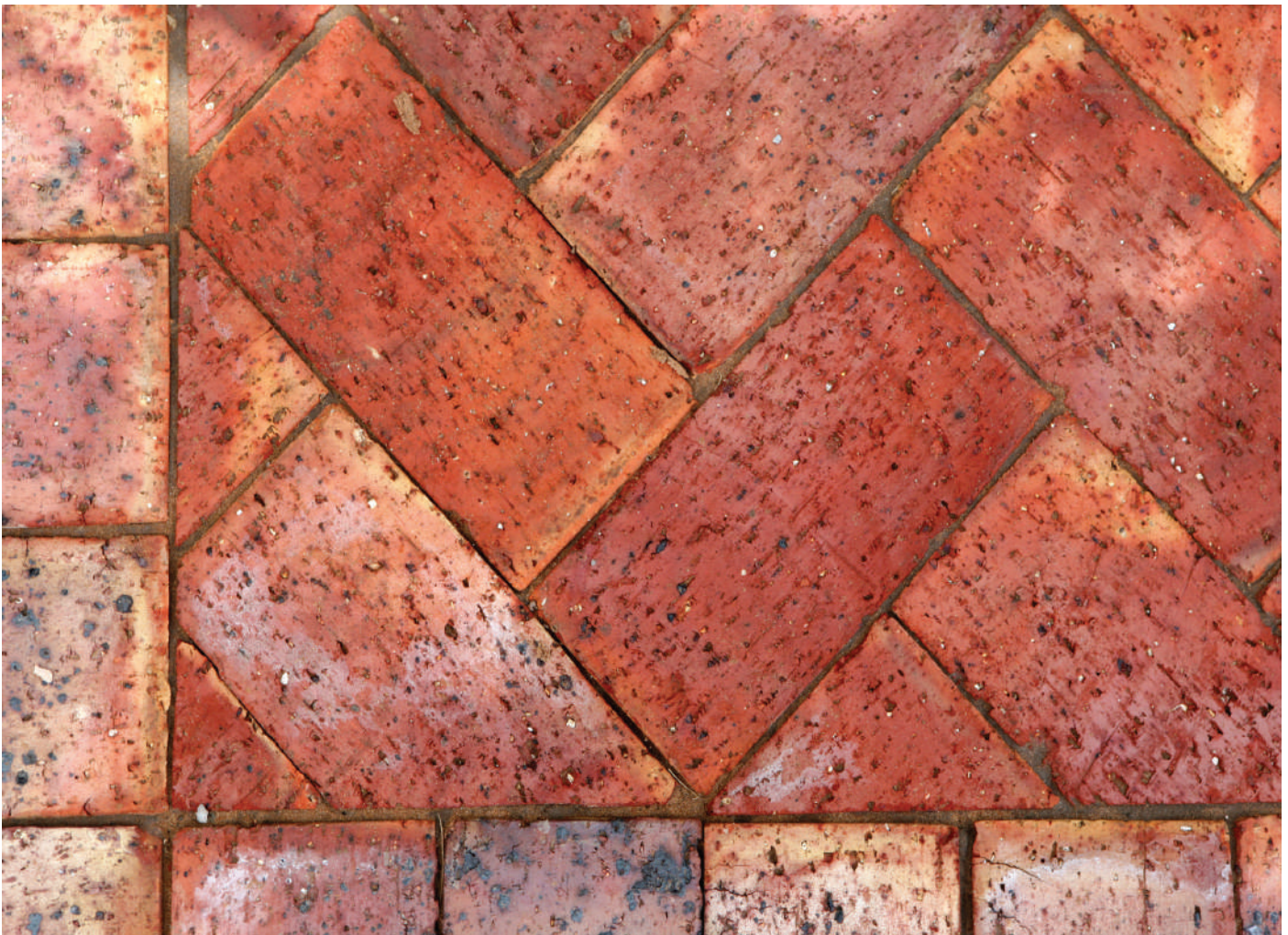
Material Clay

Average Mass 3.60kg

Average Size 222x106x73 mm

Average Water Absorption 8.52%

Individual Units (mm)				Average Tolerance of 32 Units (mm)		
Class	Length	Width	Thickness	Length	Width	Thickness
PA	±5	±3	±3	±2.5	±1.5	±1.2
PB	±6	±4	±4	±3	±2.0	±2.0



2 B

CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / RHODES PAVERS - PBRH73

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	224	107	73	3.52	9.50	63.87
2	225	106	71	3.55	7.46	67.88
3	226	107	71	3.58	9.21	59.09
4	224	108	72	3.69	8.50	77.83
5	223	106	73	3.54	8.46	49.41
6	223	106	72	3.66	7.89	61.97
7	224	107	73	3.56	7.21	47.64
8	223	106	70	3.65	8.36	58.29
9	225	108	73	3.53	8.24	50.24
10	224	107	70	3.60	9.99	30.91
11	224	107	71	3.62	8.44	77.35
12	225	106	74	3.64	8.92	41.97

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	224 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	107 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	72 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	8.52 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	3.60 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	57.20 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager:



Technical Signatory:



Product Specifications

Paving Brick

Mbashe 50mm Paver

Average Compressive Strength 73.51 MPA

Material Clay

Average Mass 2.11kg

Average Size 200x100x50 mm

Average Water Absorption 5.44%

Individual Units (mm)				Average Tolerance of 32 Units (mm)		
Class	Length	Width	Thickness	Length	Width	Thickness
PA	±5	±3	±3	±2.5	±1.5	±1.2
PB	±6	±4	±4	±3	±2.0	±2.0



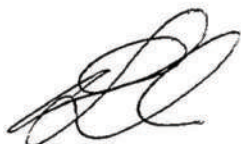
3 B CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / MBHASHE 50MM PAVER - PBMB50


SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	203	102	51	2.13	5.01	68.43
2	202	102	51	2.04	5.44	60.42
3	202	101	51	2.06	5.48	80.33
4	202	102	53	2.17	5.89	70.66
5	202	100	52	2.12	4.95	65.64
6	202	102	52	2.09	5.77	68.38
7	202	100	51	2.05	5.86	58.02
8	202	100	53	2.14	5.04	83.91
9	202	101	54	2.06	5.86	74.63
10	202	102	52	2.15	5.45	84.78
11	202	101	53	2.16	5.33	83.22
12	202	101	51	2.12	5.14	83.66

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	202 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	101 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	52 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	5.44 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.11 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	73.51 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Plant Manager:



Technical Signatory:



Product Specifications

Paving Brick

Rhodes 50mm Paver

Average Compressive Strength 63.42 MPA

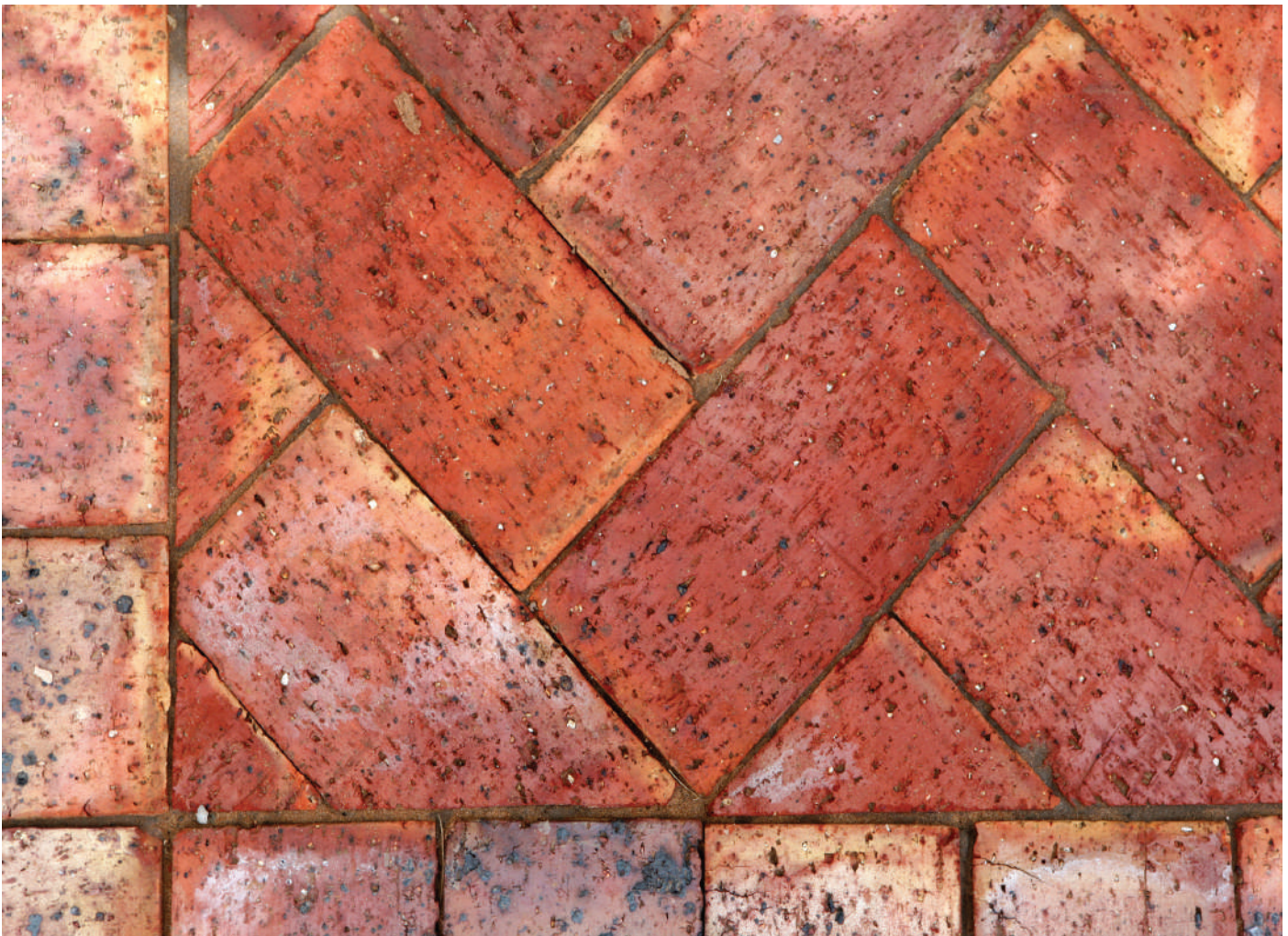
Material Clay, Perforated

Average Mass 2.09kg

Average Size 200x100x50 mm

Average Water Absorption 3.85%

Individual Units (mm)				Average Tolerance of 32 Units (mm)		
Class	Length	Width	Thickness	Length	Width	Thickness
PA	±5	±3	±3	±2.5	±1.5	±1.2
PB	±6	±4	±4	±3	±2.0	±2.0




4 B CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / RHODES 50MM PAVER - PBRH50

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	202	100	51	2.16	3.05	57.08
2	203	100	51	2.08	3.90	80.05
3	202	101	52	2.17	3.55	70.92
4	203	100	51	2.01	3.97	58.31
5	203	101	52	2.10	3.76	60.14
6	202	100	52	2.11	3.76	69.80
7	203	100	53	2.10	3.77	64.40
8	203	101	51	2.04	4.27	57.31
9	203	100	53	2.07	4.01	51.33
10	203	101	51	2.07	5.10	63.65
11	203	100	51	2.07	4.24	53.49
12	202	101	52	2.12	2.83	74.50

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	203 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	100 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	52 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	3.85 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.09 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	63.42 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Plant Manager: 

Technical Signatory: 

Product Specifications

Plaster Brick

Plaster Brick (PB2)

Average Compressive Strength	20.94 MPA
Material	Clay, Perforated
Average Mass	2.11kg
Average Size	222x106x73 mm
Average Water Absorption	14.61%

Tolerance On Dimensions

	FBS			FBA
Tolerance on work sizes	Length	Width	Height	
1) Individual Units	±7mm	±4mm	±4mm	48 - 54/m ²
2) Average Dimensions	±3.5mm	±2mm	±2mm	Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage			No Requirements

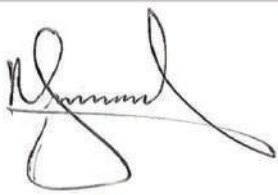



1 B CERTIFICATE | BURNT CLAY MASONRY UNITS

PRODUCT DESCRIPTION / PLASTER - PB2

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	222	105	75	2.11	13.12	24.19
2	222	107	76	2.11	12.96	23.02
3	221	108	74	2.11	12.96	24.81
4	223	107	76	2.12	13.87	23.42
5	223	107	76	2.12	13.38	23.63
6	222	106	75	2.10	13.32	23.88
7	221	108	76	2.11	17.00	24.71
8	221	105	74	2.11	16.69	21.50
9	223	109	77	2.11	15.71	16.28
10	223	106	76	2.14	16.66	14.97
11	222	106	75	2.11	15.34	15.89
12	223	107	73	2.13	14.25	14.96

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	222 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	107 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	75 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	14.61 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	2.11 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	20.94 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager: 

Technical Signatory: 

Product Specifications

Plaster Brick

Plaster Brick (PB2)

Average Compressive Strength	32.01 MPA
Material	Clay, Perforated
Average Mass	3.25kg
Average Size	222x106x73 mm
Average Water Absorption	7.34%

Tolerance On Dimensions

	FBS			FBA
Tolerance on work sizes	Length	Width	Height	
1) Individual Units	±7mm	±4mm	±4mm	48 - 54/m ²
2) Average Dimensions	±3.5mm	±2mm	±2mm	Assume 12mm joints
Warpage	No individual units to exceed 5mm warpage			No Requirements



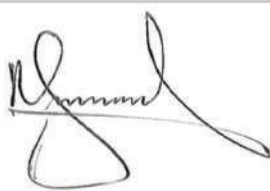
(Latest test available on request)

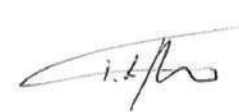
2 B **CERTIFICATE | BURNT CLAY MASONRY UNITS**

PRODUCT DESCRIPTION / PLASTER BRICK - PB1

SAMPLE NUMBER	LENGTH mm	WIDTH mm	HEIGHT mm	WEIGHT kg	WATER ABSORPTION % 24HR SOAKING	STRENGTH Mpa
1	228	108	72	3.21	10.79	32.20
2	228	108	73	3.28	10.73	28.34
3	224	104	72	3.19	6.76	35.15
4	224	107	71	3.36	5.50	35.58
5	226	106	71	3.26	5.21	30.14
6	228	109	74	3.32	10.56	27.08
7	222	107	72	3.20	6.23	28.66
8	222	108	71	3.26	7.38	26.27
9	226	106	71	3.12	8.10	31.97
10	224	107	74	3.27	5.62	36.21
11	222	106	71	3.23	6.53	36.42
12	223	107	71	3.34	4.70	36.08

NUMBER OF SAMPLES :	12 UNITS	SPECIFICATION AS PER SABS 227			
AVERAGE LENGTH :	225 (mm)	± 3.5mm of specified length			
AVERAGE WIDTH :	107 (mm)	± 2.0mm of specified width			
AVERAGE HEIGHT :	72 (mm)	± 2.0mm of specified height			
WATER ABSORPTION :	7.34 (%)	Product Description	FBX	NFX	NFP
AVERAGE WEIGHT :	3.25 (KG)	LOWEST INDIVIDUAL (Mpa) :	12.5	10.5	5.5
AVERAGE STRENGTH :	32.01 (MPa)	AVERAGE STRENGTH (Mpa) :	17	14	7

Operations Manager: 

Technical Signatory: 

Contact Us

Region	Distributors	Contact
Port Elizabeth	Algoa Brick	041 466 0209
Jeffrey's Bay	The Brick Centre	042 293 5872
Mthatha	Bulk Brick Supplies	047 532 5404
Port Alfred	Kay Jays	046 624 2645
East London	Profile Brick & Tile	043 745 0148
George	Bricmark	082 442 4297
King Williams Town	Stutt Supply	041 466 0209
Queenstown	Volcano Brick	045 838 2191
Western Cape	Crammix	021 981 2115
Kwazulu Natal	Ilizwe	071 866 8269
Cape Town	Crammix Bricks	021 980 5220

Merchants	Website	Head Office
Build It	www.buildit.co.za	031 719 1759
Cashbuild	www.cashbuild.co.za	011 248 1500
Hardware Warehouse	www.hardwarewarehouse.co.za	043 783 3000

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