

KRAUSE

BRICKS

# Technical Specification Guide



This technical manual offers specific details on the strength and durability characteristics of the extensive product range manufactured by Krause Bricks.

# Technical Specifications

## Emperor Bricks

Colour	Manufacturing Method	Size (mm)			Dimensions Category	Avg Weight/Unit (Kg)	Unit/m2	Pack size	f'uc (Mpa)	Maximum Cold water Absorption (%)	Core Volume (%)	Durability class	E Factor (mm/m)	Liability to Effloresce	Lime Pitting	Solar Absorption (BASIX)	Light Reflective Value (LRV)
		Length	Width	Height													
Red Blues	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	Nil	Exposure class	<1.2	Slight	Slight	Dark	10 - 13
Heritage Red	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	Nil	Exposure class	<1.2	Slight	Slight	Dark	13 - 15
Ghost	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	Nil	Exposure class	<1.2	Slight	Slight	Light	42 - 48
Smoke Grey	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	Nil	Exposure class	<1.2	Slight	Slight	Medium	29 - 36
Grampian Blues	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	Nil	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Mid Blend	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	Nil	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Nero	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	Nil	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Apricot	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	Nil	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Autumn	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	Nil	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Creams	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	Nil	Exposure class	<1.2	Slight	Slight	Light	34 - 39
Phoenix Grey	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	Nil	Exposure class	<1.2	Slight	Slight	Light	42 - 48
Made To Order	Extruded	390	105	45	DW1	3.6	46	504	>20	<10	Nil	Exposure class	<1.2	Slight	Slight	TBA	TBA

# Technical Specifications

## Standard 76mm Bricks

Colour	Manufacturing Method	Size (mm)			Dimensions Category	Avg Weight/Unit (Kg)	Unit/m2	Pack size	f'uc (Mpa)	Maximum Cold water Absorption (%)	Core Volume (%)	Durability class	E Factor (mm/m)	Liability to Effloresce	Lime Pitting	Solar Absorption (BASIX)	Light Reflective Value (LRV)
		Length	Width	Height													
Red Blues	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<10	Exposure class	<1.4	Slight	Slight	Dark	10 - 13
Heritage Red	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<30	Exposure class	<1.2	Slight	Slight	Dark	13 - 15
Heritage Red	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<10	Exposure class	<1.4	Slight	Slight	Dark	13 - 15
Ghost	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<30	Exposure class	<1.2	Slight	Slight	Light	42 - 48
Ghost	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<10	Exposure class	<1.4	Slight	Slight	Light	42 - 48
Smokey Grey	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<10	Exposure class	<1.4	Slight	Slight	Medium	29 - 36
Grampian Blue	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<30	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Grampian Blue	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<10	Exposure class	<1.4	Slight	Slight	Dark	6 - 8
Mid Blend	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<30	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Mid Blend	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<10	Exposure class	<1.4	Slight	Slight	Dark	6 - 8
Nero	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<30	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Nero	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<10	Exposure class	<1.4	Slight	Slight	Dark	10 - 14
Apricot	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<30	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Apricot	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<10	Exposure class	<1.4	Slight	Slight	Dark	10 - 14
Autumn	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<30	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Autumn	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<10	Exposure class	<1.4	Slight	Slight	Dark	10 - 14
Creams	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<10	Exposure class	<1.4	Slight	Slight	Light	34 - 39
Phoenix Grey	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<30	Exposure class	<1.2	Slight	Slight	Light	42 - 48
Phoenix Grey	Pressed	230	110	76	DW1	3.43	48	525	>10	<12	<10	Exposure class	<1.4	Slight	Slight	Lighth	42 - 48

# Technical Specifications

## Standard 50mm Bricks

Colour	Manufacturing Method	Size (mm)			Dimensions Category	Avg Weight/Unit (Kg)	Unit/m2	Pack size	f'uc (Mpa)	Maximum Cold water Absorption (%)	Core Volume (%)	Durability class	E Factor (mm/m)	Liability to Effloresce	Lime Pitting	Solar Absorption (BASIX)	Light Reflective Value (LRV)
		Length	Width	Height													
Red Blues	Pressed	230	110	50	DW2	2.75	69	770	>10	<12	<10	Exposure class	<1.2	Slight	Slight	Dark	10 - 13
Heritage Red	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<20	Exposure class	<1.0	Slight	Slight	Dark	13 - 15
Heritage Red	Pressed	230	110	50	DW2	2.75	69	770	>10	<12	<10	Exposure class	<1.2	Slight	Slight	Dark	13 - 15
Ghost	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<20	Exposure class	<1.0	Slight	Slight	Light	42 - 48
Ghost	Pressed	230	110	50	DW2	2.75	69	770	>10	<12	<10	Exposure class	<1.2	Slight	Slight	Light	42 - 48
Smokey Grey	Pressed	230	110	50	DW2	2.4	69	770	>15	<10	<20	Exposure class	<1.0	Slight	Slight	Medium	29 - 36
Grampian Blue	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<20	Exposure class	<1.0	Slight	Slight	Dark	6 - 8
Grampian Blue	Pressed	230	110	50	DW2	2.75	69	770	>10	<12	<10	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Mid Blend	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<20	Exposure class	<1.0	Slight	Slight	Dark	6 - 8
Mid Blend	Pressed	230	110	50	DW2	2.75	69	770	>10	<12	<10	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Nero	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<20	Exposure class	<1.0	Slight	Slight	Dark	10 - 14
Nero	Pressed	230	110	50	DW2	2.75	69	770	>10	<12	<10	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Apricot	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<20	Exposure class	<1.0	Slight	Slight	Dark	10 - 14
Apricot	Pressed	230	110	50	DW2	2.75	69	770	>10	<12	<10	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Autumn	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<20	Exposure class	<1.0	Slight	Slight	Dark	10 - 14
Autumn	Pressed	230	110	50	DW2	2.75	69	770	>10	<12	<10	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Creams	Pressed	230	110	50	DW2	2.4	69	770	>15	<10	<20	Exposure class	<1.0	Slight	Slight	Light	34 - 39
Phoenix Grey	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<20	Exposure class	<1.0	Slight	Slight	Light	42 - 48
Phoenix Grey	Pressed	230	110	50	DW1	2.75	69	770	>10	<12	<10	Exposure class	<1.2	Slight	Slight	Light	42 - 48

# Technical Specifications

## Emperor Facing Tile

Colour	Manufacturing Method	Size (mm)			Dimensions Category	Avg Weight/Unit (Kg)	Unit/m2	Initial Rate of Absorption (Kg/m2/min)	Durability class	Liability to Effloresce	Solar Absorption (BASIX)	Light Reflective Value (LRV)
		Length	Thickness	Height								
Red Blues	Extruded	390	30	45	DW2	1.3	46	<1.0	Exposure class	Slight	Dark	10 - 13
Heritage Red	Extruded	390	30	45	DW2	1.3	46	<1.0	Exposure class	Slight	Dark	13 - 15
Ghost	Extruded	390	30	45	DW2	1.3	46	<1.0	Exposure class	Slight	Light	42 - 48
Smoke Grey	Extruded	390	30	45	DW2	1.3	46	<1.0	Exposure class	Slight	Medium	29 - 36
Grampian Blues	Extruded	390	30	45	DW2	1.3	46	<1.0	Exposure class	Slight	Dark	6 - 8
Mid Blend	Extruded	390	30	45	DW2	1.3	46	<1.0	Exposure class	Slight	Dark	6 - 8
Nero	Extruded	390	30	45	DW2	1.3	46	<1.0	Exposure class	Slight	Dark	10 - 14
Apricot	Extruded	390	30	45	DW2	1.3	46	<1.0	Exposure class	Slight	Dark	10 - 14
Autumn	Extruded	390	30	45	DW2	1.3	46	<1.0	Exposure class	Slight	Dark	10 - 14
Creams	Extruded	390	30	45	DW2	1.3	46	<1.0	Exposure class	Slight	Light	34 - 39
Phoenix Grey	Extruded	390	30	45	DW2	1.3	46	<1.0	Exposure class	Slight	Light	42 - 48

# Technical Specifications

## Standard Facing Tiles

Colour	Manufacturing Method	Size (mm)			Dimensions Category	Avg Weight/Unit (Kg)	Unit/m2	Initial Rate of Absorption (Kg/m2/min)	Durability class	Liability to Effloresce	Solar Absorption (BASIX)	Light Reflective Value (LRV)
		Length	Thickness	Height								
Red Blues	Extruded	230	16	76	DW2	1.3	48	<1.0	Exposure class	Slight	Dark	10 - 13
Heritage Red	Extruded	230	16	76	DW2	1.3	48	<1.0	Exposure class	Slight	Dark	13 - 15
Ghost	Extruded	230	16	76	DW2	1.3	48	<1.0	Exposure class	Slight	Light	42 - 48
Smoke Grey	Extruded	230	16	76	DW2	1.3	48	<1.0	Exposure class	Slight	Medium	29 - 36
Grampian Blues	Extruded	230	16	76	DW2	1.3	48	<1.0	Exposure class	Slight	Dark	6 - 8
Mid Blend	Extruded	230	16	76	DW2	1.3	48	<1.0	Exposure class	Slight	Dark	6 - 8
Nero	Extruded	230	16	76	DW2	1.3	48	<1.0	Exposure class	Slight	Dark	10 - 14
Apricot	Extruded	230	16	76	DW2	1.3	48	<1.0	Exposure class	Slight	Dark	10 - 14
Autumn	Extruded	230	16	76	DW2	1.3	48	<1.0	Exposure class	Slight	Dark	10 - 14
Creams	Extruded	230	16	76	DW2	1.3	48	<1.0	Exposure class	Slight	Light	34 - 39
Phoenix Grey	Extruded	230	16	76	DW2	1.3	48	<1.0	Exposure class	Slight	Light	42 - 48





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