

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.

Products

Krause Klad 03

Standard Facing Tiles 04

Emperor Facing Tiles 05

Standard Pressed 76mm Bricks 06

Standard Extruded 76mm Bricks 07

Emperor Bricks 08

Mini Emperor Bricks 09

Empress Bricks 10

Mini Empress Bricks 11

DISCLAIMER

The technical information in this document is a guide. Natural variations in clay may result in differences between the information presented and the product you receive.

Technical Specifications

Krause Klad

Colour	Manufacturing Method	Size (mm)			Dimensions Category	Avg Weight/Unit (Kg)	Unit/m2	Initial Rate of Absorption (Kg/m2/min)	Maximum Cold water Absorption (%)	Durability class	Liability to Effloresce	Solar Absorption (BASIX)	Light Reflective Value (LRV)
		Length	Thickness	Height									
Ghost	Extruded	720	35	200	DW2	7.5	9.26	<1.0	<10	Exposure class	Slight	Light	42 - 48
Iron Klad	Extruded	720	35	200	DW2	7.5	9.26	<1.0	<10	Exposure class	Slight	Dark	6 - 8
Smoke Grey	Extruded	720	35	200	DW2	7.5	9.26	<1.0	<10	Exposure class	Slight	Medium	29 - 36
Terracotta	Extruded	720	35	200	DW2	7.5	9.26	<1.0	<10	Exposure class	Slight	Medium	19 -28

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)	Maximum Cold water Absorption (%)	Durability class	Liability to Effloresce	Solar Absorption (BASIX)	Light Reflective Value (LRV)
		Length	Thickness	Height									
Ghost	Extruded	230	16	76	DW2	0.49	48	<1.0	<10	Exposure class	Slight	Light	42 - 48
Grampian Blues	Extruded	230	16	76	DW2	0.49	48	<1.0	<10	Exposure class	Slight	Dark	6 - 8
Heritage Red	Extruded	230	16	76	DW2	0.49	48	<1.0	<10	Exposure class	Slight	Dark	13 - 15
Nero	Extruded	230	16	76	DW2	0.49	48	<1.0	<10	Exposure class	Slight	Dark	6 - 8
Red Blues	Extruded	230	16	76	DW2	0.49	48	<1.0	<10	Exposure class	Slight	Dark	10 - 13
Tans	Extruded	230	16	76	DW2	0.49	48	<1.0	<10	Exposure class	Slight	Dark	10 - 13

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)	Maximum Cold water Absorption (%)	Durability class	Liability to Effloresce	Solar Absorption (BASIX)	Light Reflective Value (LRV)
		Length	Thickness	Height									
Heritage Red	Extruded	390	30	45	DW2	1.3	46	<1.0	<10	Exposure class	Slight	Dark	13 - 15
Ghost	Extruded	390	30	45	DW2	1.3	46	<1.0	<10	Exposure class	Slight	Light	42 - 48
Grampian Blues	Extruded	390	30	45	DW2	1.3	46	<1.0	<10	Exposure class	Slight	Dark	6 - 8
Nero	Extruded	390	30	45	DW2	1.3	46	<1.0	<10	Exposure class	Slight	Dark	6 - 8

Technical Specifications

Standard Pressed 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													
Apricot	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<5	Exposure class	<1.4	Slight	Slight	Dark	10 - 14
Autumn	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<5	Exposure class	<1.4	Slight	Slight	Dark	10 - 14
Creams	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<5	Exposure class	<1.4	Slight	Slight	Light	34 - 39
Ghost	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<5	Exposure class	<1.4	Slight	Slight	Light	42 - 48
Grampian Blue	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<5	Exposure class	<1.4	Slight	Slight	Dark	6 - 8
Heritage Red	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<5	Exposure class	<1.4	Slight	Slight	Dark	13 - 15
Mid Blend	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<5	Exposure class	<1.4	Slight	Slight	Dark	6 - 8
Nero	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<5	Exposure class	<1.4	Slight	Slight	Dark	6 - 8
Red Blues	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<5	Exposure class	<1.4	Slight	Slight	Dark	10 - 13
Sandstone	Pressed	230	110	76	DW2	3.43	48	525	>10	<12	<5	Exposure class	<1.4	Slight	Slight	Medium	29 - 36

Technical Specifications

Standard Extruded 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													
Apricot	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<12	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Autumn	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<12	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Creams	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<12	Exposure class	<1.2	Slight	Slight	Light	34 - 39
Ghost	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<12	Exposure class	<1.2	Slight	Slight	Light	42 - 48
Grampian Blue	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<12	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Heritage Red	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<12	Exposure class	<1.2	Slight	Slight	Dark	13 - 15
Mid Blend	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<12	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Nero	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<12	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Red Blues	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<12	Exposure class	<1.2	Slight	Slight	Dark	10 - 13
Sandstone	Extruded	230	110	76	DW2	3.1	48	525	>15	<10	<12	Exposure class	<1.2	Slight	Slight	Medium	29 - 36

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													
Autumn	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Ghost	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Light	42 - 48
Grampian Blues	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Heritage Red	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Dark	13 - 15
Mid Blend	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Nero	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Red Blues	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Dark	10 - 13
Sandstone	Extruded	390	105	45	DW2	3.6	46	504	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Medium	29 - 36

Technical Specifications

Mini 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													
Autumn	Extruded	300	105	45	DW2	2.6	59	631	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Ghost	Extruded	300	105	45	DW2	2.6	59	631	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Light	42 - 48
Grampian Blues	Extruded	300	105	45	DW2	2.6	59	631	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Heritage Red	Extruded	300	105	45	DW2	2.6	59	631	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Dark	13 - 15
Mid Blend	Extruded	300	105	45	DW2	2.6	59	631	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Nero	Extruded	300	105	45	DW2	2.6	59	631	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Red Blues	Extruded	300	105	45	DW2	2.6	59	631	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Dark	10 - 13
Sandstone	Extruded	300	105	45	DW2	2.6	59	631	>20	<10	N/A	Exposure class	<1.2	Slight	Slight	Medium	29 - 36

Technical Specifications

Empress 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													
Autumn	Extruded	290	110	50	DW2	3.1	55	616	>15	<10	<10	Exposure class	<1.2	Slight	Slight	Dark	10 - 14
Ghost	Extruded	290	110	50	DW2	3.1	55	616	>15	<10	<10	Exposure class	<1.2	Slight	Slight	Light	42 - 48
Grampian Blue	Extruded	290	110	50	DW2	3.1	55	616	>15	<10	<10	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Heritage Red	Extruded	290	110	50	DW2	3.1	55	616	>15	<10	<10	Exposure class	<1.2	Slight	Slight	Dark	13 - 15
Mid Blend	Extruded	290	110	50	DW2	3.1	55	616	>15	<10	<10	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Nero	Extruded	290	110	50	DW2	3.1	55	616	>15	<10	<10	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Red Blues	Extruded	290	110	50	DW2	3.1	55	616	>15	<10	<10	Exposure class	<1.2	Slight	Slight	Dark	10 - 13
Sandstone	Extruded	290	110	50	DW2	3.1	55	616	>15	<10	<10	Exposure class	<1.2	Slight	Slight	Medium	29 - 36

Technical Specifications

Mini Empress 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													
Autumn	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<15	Exposure class	<1.2	Slight	Slight	Dark	10- 14
Ghost	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<15	Exposure class	<1.2	Slight	Slight	Light	42 - 48
Grampian Blue	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<15	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Heritage Red	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<15	Exposure class	<1.2	Slight	Slight	Dark	13 - 15
Mid Blend	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<15	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Nero	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<15	Exposure class	<1.2	Slight	Slight	Dark	6 - 8
Red Blues	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<15	Exposure class	<1.2	Slight	Slight	Dark	10 - 13
Sandstone	Extruded	230	110	50	DW2	2.4	69	770	>15	<10	<15	Exposure class	<1.2	Slight	Slight	Medium	29 - 36



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