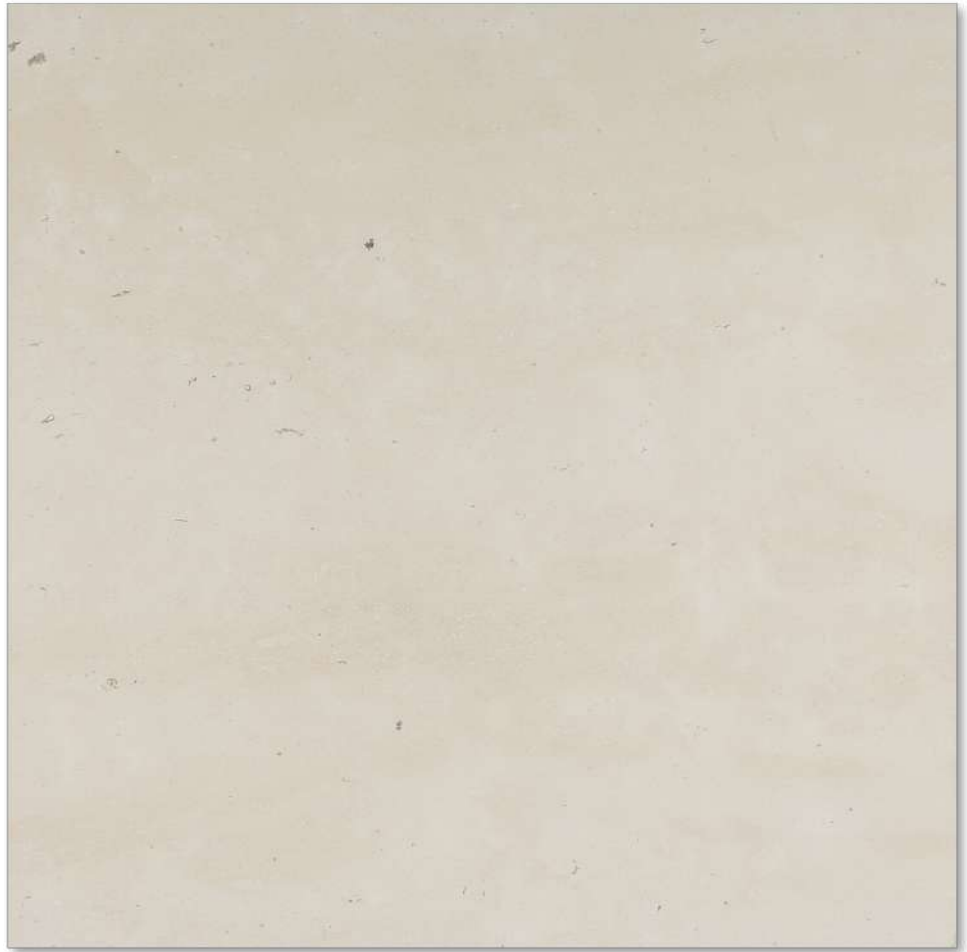


Cadeby Beds 11-13

Quarry Location:

Cadeby Quarry
Garden Lane
Doncaster
South Yorkshire, England



Technical Results

Description	Hard and durable fine-grained tight-texture limestone	
Country of Origin	UK	
Geological Type	Magnesium limestone	
Colour	White	
Density	2140 kg/m ³	BSEN 1936
Compressive Strength	81.8 MPa	EN 722-1
Compressive Strength	90.7 MPa (56 cycles) after freeze thaw	EN 722-1
Water Absorption at atmospheric pressure	9.3% by mass	BSEN 13755
Water Absorption by Capillarity	67.5	EN 722-11
Open Porosity	23.6%	BS EN 1936
Slip Resistance	79 Dry 79 Wet	BSEN 14231
Abrasion Resistance	24.5mm	BS EN 14151
Flexural Strength under conc. load:	7.5 MPa perpendicular to bed 5.1 MPa (56 Cycles) perpendicular after freeze thaw	BSEN 12372 BSEN 12372
Flexural Strength under conc. Load:	8.6 MPa parallel to bed 9.9 MPa (14 Cycles) parallel to bed after freeze thaw 7.7 MPa (20 Cycles) parallel to bed after thermal shock	BSEN 12372 BSEN 12372 BSEN 12372
Breaking load at Dowel hole	2350 N	BSEN 13364
Design thermal conductivity	1.7W (m.k)-1	EN 12524
Specific Heat capacity	1000 J/(Kg. K)	EN 12524
Water vapour resistance factor:	Dry 200 Wet 150	EN12524
Average Block Size	1500L x 1000W x 600H	

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