

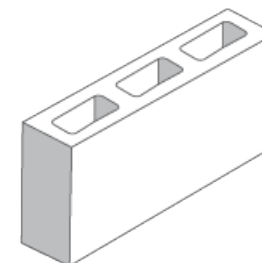
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	10.01   100mm FULL BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 100 x 200mm
actual dimensions (length x width x height mm)	390 x 90 x 190mm
core volume (% overall thickness)	<30
characteristic unconfined compressive strength (MPa)	>15
minimum shell thickness (mm)	25
average weight (kg)	9.5
units per tonne	105
number per pallet	180
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	115

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf $\leq 16$	120
integrity - non-load bearing and Srf $\leq 25.83$	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:

60 minutes:	27.83 non load bearing   22.93 load bearing
90 minutes:	27.83 non load bearing   21.31 load bearing
120 minutes:	26.32 non load bearing   20.16 load bearing
180 minutes:	23.30 non load bearing   18.54 load bearing
240 minutes:	21.16 non load bearing   17.39 load bearing

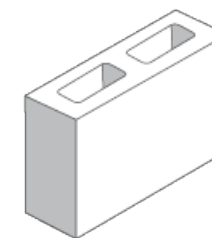
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	10.02   100mm THREE QUARTER BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	300 x 100 x 200mm
actual dimensions (length x width x height mm)	290 x 90 x 190mm
core volume (% overall thickness)	<30
characteristic unconfined compressive strength (MPa)	>15
minimum shell thickness (mm)	25
average weight (kg)	7.0
units per tonne	143
number per pallet	240
number per sqm	16.7
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	-

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf <16	120
integrity - non-load bearing and Srf <25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:  
 60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

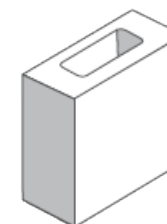
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	10.03   100mm HALF BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	200 x 100 x 200mm
actual dimensions (length x width x height mm)	190 x 90 x 190mm
core volume (% overall thickness)	<30
characteristic unconfined compressive strength (MPa)	>15
minimum shell thickness (mm)	25
average weight (kg)	4.1
units per tonne	204
number per pallet	360
number per sqm	25
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	-

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf <16	120
integrity - non-load bearing and Srf <25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:  
 60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

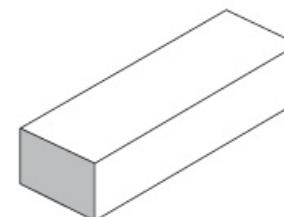
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	10.31   100mm SOLID BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 100 x 200mm
actual dimensions (length x width x height mm)	390 x 90 x 190mm
core volume (% overall thickness)	Solid
characteristic unconfined compressive strength (MPa)	10
minimum shell thickness (mm)	-
average weight (kg)	12.4
units per tonne	80
number per pallet	144
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	150

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf <16	120
integrity - non-load bearing and Srf <25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:  
 60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

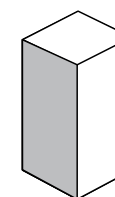
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	10.34   100mm QUARTER SOLID BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	100 x 100 x 200mm
actual dimensions (length x width x height mm)	90 x 90 x 190mm
core volume (% overall thickness)	Solid
characteristic unconfined compressive strength (MPa)	>10
minimum shell thickness (mm)	-
average weight (kg)	2.5
units per tonne	400
number per pallet	432
number per sqm	50
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	-

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf <16	120
integrity - non-load bearing and Srf <25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:  
 60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

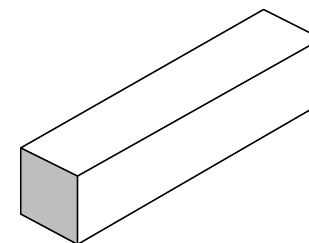
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	10.83   100mm HALF HEIGHT SOLID BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 100 x 100mm
actual dimensions (length x width x height mm)	40 x 90 x 90mm
core volume (% overall thickness)	Solid
characteristic unconfined compressive strength (MPa)	>10
minimum shell thickness (mm)	-
average weight (kg)	5.9
units per tonne	169
number per pallet	288
number per sqm	25
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	170

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf <16	120
integrity - non-load bearing and Srf <25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:  
60 minutes: 27.83 non load bearing | 22.93 load bearing  
90 minutes: 27.83 non load bearing | 21.31 load bearing  
120 minutes: 26.32 non load bearing | 20.16 load bearing  
180 minutes: 23.30 non load bearing | 18.54 load bearing  
240 minutes: 21.16 non load bearing | 17.39 load bearing

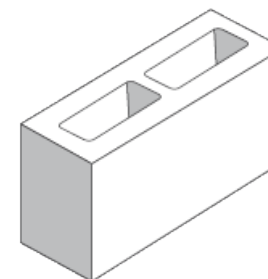
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	12.01   110mm FULL BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 120 x 200mm
actual dimensions (length x width x height mm)	40 x 110 x 190mm
core volume (% overall thickness)	29
characteristic unconfined compressive strength (MPa)	15
minimum shell thickness (mm)	25
average weight (kg)	8.8
units per tonne	114
number per pallet	150
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	120

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf <16	120
integrity - non-load bearing and Srf <25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:

60 minutes: 27.83 non load bearing | 22.93 load bearing  
90 minutes: 27.83 non load bearing | 21.31 load bearing  
120 minutes: 26.32 non load bearing | 20.16 load bearing  
180 minutes: 23.30 non load bearing | 18.54 load bearing  
240 minutes: 21.16 non load bearing | 17.39 load bearing

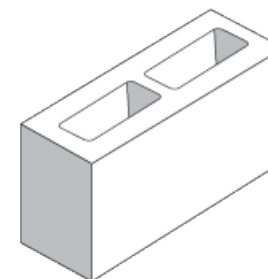
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	12.01FL   110mm FIRE LIGHT FULL BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 120 x 200mm
actual dimensions (length x width x height mm)	390 x 110 x 190mm
core volume (% overall thickness)	29
characteristic unconfined compressive strength (MPa)	3
minimum shell thickness (mm)	25
average weight (kg)	7.5
units per tonne	133
number per pallet	180
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	UNTESTED
wall mass inc mortar hollow	100

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and $S_{rf} < 16$	120
integrity - non-load bearing and $S_{rf} < 25.83$	240
insulation	120

This data represents average results from production lots based on the results achieved by samples selected at random for testing. Figures are accurate at date of publication and subject to change without notice. Contact us for confirmation of product specification.

Fire resistance levels as per AS3700: 2018. Acoustic opinion derived from Day Design Pty Ltd. 2012. Tested in accordance with AS 1191:1001 and AS/NZS 1276.1:1999. ^When reinforced and  $S_{rf} < 36$ : 240 minutes.



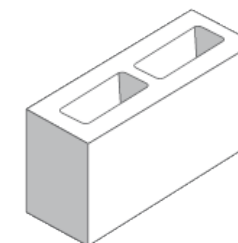
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	15.01   150mm FULL BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 150 x 200mm
actual dimensions (length x width x height mm)	390 x 140 x 190mm
core volume (% overall thickness)	30
characteristic unconfined compressive strength (MPa)	15
minimum shell thickness (mm)	25
average weight (kg)	10
units per tonne	100
number per pallet	144
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	130

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf <16	240
integrity - non-load bearing and Srf <25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:

60 minutes: 27.83 non load bearing | 22.93 load bearing  
90 minutes: 27.83 non load bearing | 21.31 load bearing  
120 minutes: 26.32 non load bearing | 20.16 load bearing  
180 minutes: 23.30 non load bearing | 18.54 load bearing  
240 minutes: 21.16 non load bearing | 17.39 load bearing

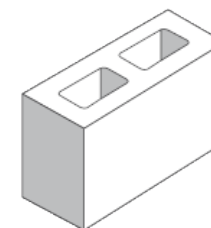
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	15.02   150mm THREE QUARTER BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	300 x 150 x 200mm
actual dimensions (length x width x height mm)	290 x 140 x 190mm
core volume (% overall thickness)	36.7
characteristic unconfined compressive strength (MPa)	15
minimum shell thickness (mm)	25
average weight (kg)	7.7
units per tonne	130
number per pallet	160
number per sqm	16.7
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	-

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf <16	240
integrity - non-load bearing and Srf <25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:  
 60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

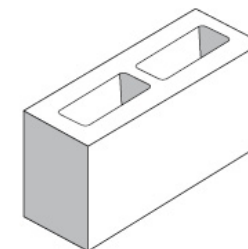
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	15.22   150mm CORNER BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	350 x 150 x 200mm
actual dimensions (length x width x height mm)	340 x 140 x 190mm
core volume (% overall thickness)	>30
characteristic unconfined compressive strength (MPa)	>15
minimum shell thickness (mm)	n/a
average weight (kg)	9.0
units per tonne	111
number per pallet	135
number per sqm	14.3
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	-

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf <16	240
integrity - non-load bearing and Srf <25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:

60 minutes: 27.83 non load bearing | 22.93 load bearing  
90 minutes: 27.83 non load bearing | 21.31 load bearing  
120 minutes: 26.32 non load bearing | 20.16 load bearing  
180 minutes: 23.30 non load bearing | 18.54 load bearing  
240 minutes: 21.16 non load bearing | 17.39 load bearing

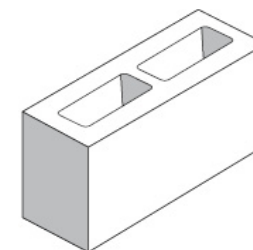
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	15.49   150mm OPEN END BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 150 x 200mm
actual dimensions (length x width x height mm)	390 x 140 x 190mm
core volume (% overall thickness)	42.3
characteristic unconfined compressive strength (MPa)	>15
minimum shell thickness (mm)	25
average weight (kg)	9.6
units per tonne	104
number per pallet	144
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	-

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf <16	240
integrity - non-load bearing and Srf <25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:

60 minutes: 27.83 non load bearing | 22.93 load bearing  
90 minutes: 27.83 non load bearing | 21.31 load bearing  
120 minutes: 26.32 non load bearing | 20.16 load bearing  
180 minutes: 23.30 non load bearing | 18.54 load bearing  
240 minutes: 21.16 non load bearing | 17.39 load bearing

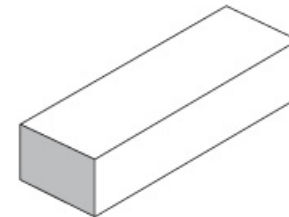
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	15.83   150mm HALF HEIGHT SOLID BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 150 x 100mm
actual dimensions (length x width x height mm)	390 x 140 x 90mm
core volume (% overall thickness)	Solid
characteristic unconfined compressive strength (MPa)	10
minimum shell thickness (mm)	n/a
average weight (kg)	8.6
units per tonne	116
number per pallet	192
number per sqm	50
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	250

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf <16	240
integrity - non-load bearing and Srf <25.83	240
insulation	240

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:  
 60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

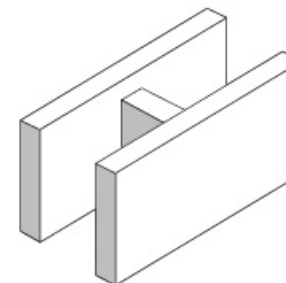
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	15.48   150mm H BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 150 x 200mm
actual dimensions (length x width x height mm)	390 x 140 x 190mm
core volume (% overall thickness)	n/a
characteristic unconfined compressive strength (MPa)	>15
minimum shell thickness (mm)	30
average weight (kg)	9.8
units per tonne	102
number per pallet	144
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	-

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	240
integrity	120
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 Table 6.1

Integrity FRL as per AS3700:2011, Clause 6.4.2  
Insulation FRL as per AS3700:2011, Table 6.3

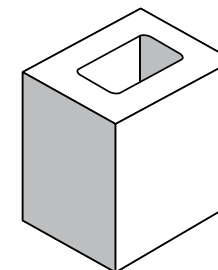
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	15.03   150mm HALF BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	200 x 150 x 200mm
actual dimensions (length x width x height mm)	190 x 140 x 190mm
core volume (% overall thickness)	>30
characteristic unconfined compressive strength (MPa)	>15
minimum shell thickness (mm)	30
average weight (kg)	5.2
units per tonne	192
number per pallet	240
number per sqm	25
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	-

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf <16	240
integrity - non-load bearing and Srf <25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:  
 60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

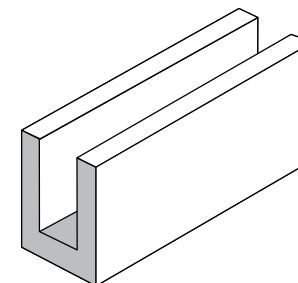
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	15.12   150mm LINTEL OR BOND BEAM BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 150 x 200mm
actual dimensions (length x width x height mm)	390 x 140 x 190mm
core volume (% overall thickness)	n/a
characteristic unconfined compressive strength (MPa)	>15
minimum shell thickness (mm)	n/a
average weight (kg)	12.4
units per tonne	80
number per pallet	120
number per sqm	25 or 2.5 per lm as caps
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	300

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
insulation	120

## Notes

This data represents average results from production lots based on the results achieved by samples selected at random for testing. Figures are accurate at date of publication and subject to change without notice. Contact us for confirmation of product specification.

Fire resistance levels as per AS3700: 2018. Acoustic opinion derived from Day Design Pty Ltd. 2012. Tested in accordance with AS 1191:1001 and AS/NZS 1276.1:1999. ^When reinforced and Srf <36: 240 minutes.



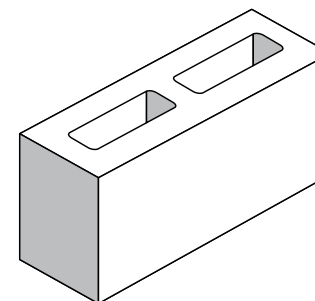
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	15.401   150mm 4 HOUR INSULATION FRL BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 150 x 200mm
actual dimensions (length x width x height mm)	390 x 140 x 190mm
core volume (% overall thickness)	<30
characteristic unconfined compressive strength (MPa)	15
minimum shell thickness (mm)	47
average weight (kg)	13.0
units per tonne	66
number per pallet	120
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	180

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing and Srf <16	240
integrity - non-load bearing and Srf <25.83	240
insulation	240

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:  
60 minutes: 27.83 non load bearing | 22.93 load bearing  
90 minutes: 27.83 non load bearing | 21.31 load bearing  
120 minutes: 26.32 non load bearing | 20.16 load bearing  
180 minutes: 23.30 non load bearing | 18.54 load bearing  
240 minutes: 21.16 non load bearing | 17.39 load bearing

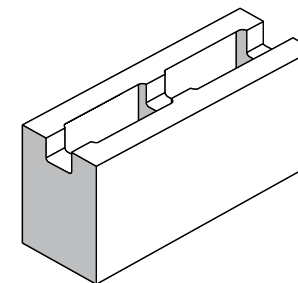
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	15.421   150mm RECESSED WEB OR CHANNEL BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 150 x 200mm
actual dimensions (length x width x height mm)	390 x 140 x 190mm
core volume (% overall thickness)	41
characteristic unconfined compressive strength (MPa)	15
minimum shell thickness (mm)	30
average weight (kg)	9.8
units per tonne	102
number per pallet	144
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	300 inc concrete fill

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity when core filled	120
integrity when hollow & load bearing & Srf ≤ 21.14	240
integrity when hollow & NON load bearing & Srf ≤ 25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:

60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

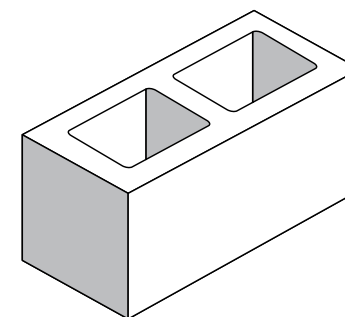
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	20.01   200mm FULL BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 200 x 200mm
actual dimensions (length x width x height mm)	390 x 190 x 190mm
core volume (% overall thickness)	>30
characteristic unconfined compressive strength (MPa)	15
minimum shell thickness (mm)	30
average weight (kg)	12.0
units per tonne	83
number per pallet	108
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	150

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity when hollow & load bearing & Srf ≤ 21.14	240
integrity when hollow & NON load bearing & Srf ≤ 25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:

60 minutes: 27.83 non load bearing | 22.93 load bearing  
90 minutes: 27.83 non load bearing | 21.31 load bearing  
120 minutes: 26.32 non load bearing | 20.16 load bearing  
180 minutes: 23.30 non load bearing | 18.54 load bearing  
240 minutes: 21.16 non load bearing | 17.39 load bearing

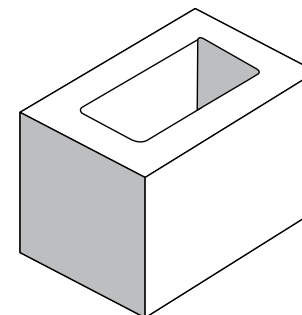
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	20.02   200mm THREE QUARTER BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	300 x 200 x 200mm
actual dimensions (length x width x height mm)	290 x 190 x 190mm
core volume (% overall thickness)	46
characteristic unconfined compressive strength (MPa)	15
minimum shell thickness (mm)	30
average weight (kg)	9.8
units per tonne	102
number per pallet	144
number per sqm	17
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	174

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity when hollow & load bearing & Srf ≤ 21.14	240
integrity when hollow & NON load bearing & Srf ≤ 25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:

60 minutes: 27.83 non load bearing | 22.93 load bearing  
90 minutes: 27.83 non load bearing | 21.31 load bearing  
120 minutes: 26.32 non load bearing | 20.16 load bearing  
180 minutes: 23.30 non load bearing | 18.54 load bearing  
240 minutes: 21.16 non load bearing | 17.39 load bearing

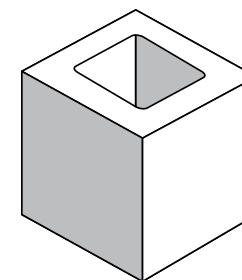
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	20.03   200mm HALF BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	200 x 200 x 200mm
actual dimensions (length x width x height mm)	190 x 190 x 190mm
core volume (% overall thickness)	>30
characteristic unconfined compressive strength (MPa)	>15
minimum shell thickness (mm)	30
average weight (kg)	8.7
units per tonne	115
number per pallet	180
number per sqm	25
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	n/a

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity when hollow & load bearing & Srf ≤ 21.14	240
integrity when hollow & NON load bearing & Srf ≤ 25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:  
 60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

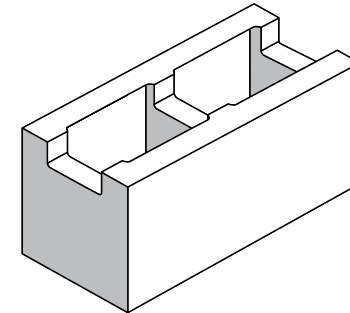
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	20.421   200mm RECESSED WEB OR CHANNEL CORE FILLED BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 200 x 200mm
actual dimensions (length x width x height mm)	390 x 190 x 190mm
core volume (% overall thickness)	48
characteristic unconfined compressive strength (MPa)	>15
minimum shell thickness (mm)	30
average weight (kg)	11.3
units per tonne	88
number per pallet	108
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	400 inc core fill

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_{rf} \leq 36$ see notes for hollow walls)	60 to 240
integrity when core filled/ integrity when unfilled and $\& S_{rf} \leq 21.14$	240
insulation	240 (core filled) 120 (unfilled)

## Notes

Maximum slenderness ratio ( $S_{rf}$ ) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:  
 60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

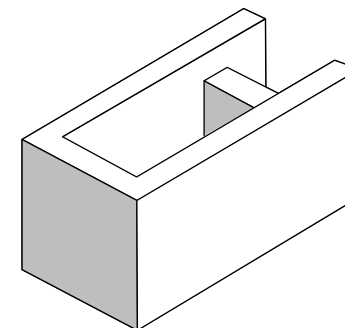
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	20.49   200mm CORNER AND END CORE FILLED BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 200 x 200mm
actual dimensions (length x width x height mm)	390 x 190 x 190mm
core volume (% overall thickness)	n/a
characteristic unconfined compressive strength (MPa)	>15
minimum shell thickness (mm)	30
average weight (kg)	11.4
units per tonne	87
number per pallet	108
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	400 inc core fill

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_{rf} \leq 36$ see notes)	240
integrity when core filled	240
insulation (core filled)	240

## Notes

Maximum slenderness ratio ( $S_{rf}$ ) calculated from fire tests and AS3700:2018 clause 6.1  
Integrity FRL as per AS3700:2018, Clause 6.4.2  
Insulation FRL as per 3700:2011, Table 6.3

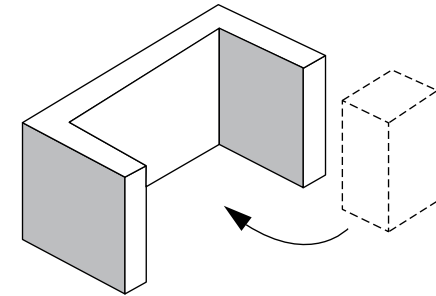
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	20.96 AND 10.34   200mm C BLOCK CLEAN OUT CORE FILLED BLOCKS (OPTIONAL STABILISER)

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 200 x 200mm + 100 x 200 x 100mm
actual dimensions (length x width x height mm)	390 x 190 x 190mm + 90 x 190 x 90mm
core volume (% overall thickness)	n/a
characteristic unconfined compressive strength (MPa)	n/a
minimum shell thickness (mm)	52
average weight (kg)	11.0
units per tonne	250
number per pallet	108 & 432
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	n/a

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_{rf} \leq 36$ see notes)	240
integrity	240
insulation (core filled)	240

## Notes

Maximum slenderness ratio ( $S_{rf}$ ) calculated from fire tests and AS3700:2018 clause 6.1

Integrity FRL as per AS3700:2018, Clause 6.4.2

Insulation FRL as per 3700:2011, Table 6.3



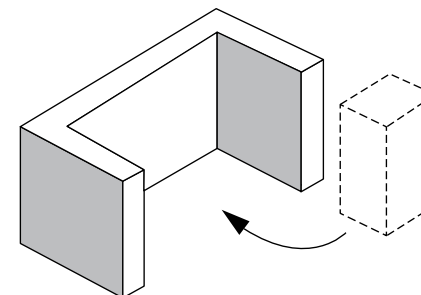
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	20.96 & 10.03   300mm COMBINED CLEAN OUT BLOCK

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 200 x 200mm & 200 x 100 x 200mm
actual dimensions (length x width x height mm)	390 x 190 x 190mm & 190 x 90 x 190mm
core volume (% overall thickness)	n/a
characteristic unconfined compressive strength (MPa)	15
minimum shell thickness (mm)	n/a
average weight (kg)	9.5
units per tonne	74
number per pallet	108
number per sqm	25
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	n/a

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_{rf} \leq 36$ see notes)	240
integrity	240
insulation (core filled)	240

## Notes

Maximum slenderness ratio ( $S_{rf}$ ) calculated from AS3700:2018 table 6.1  
Integrity FRL as per AS3700:2018, Clause 6.4.2  
Insulation FRL as per AS3700:2018, Table 6.3

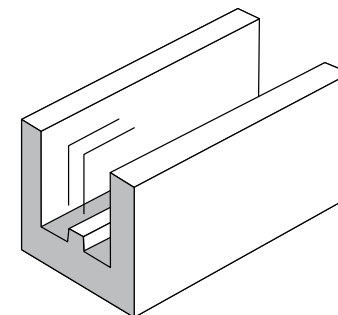
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	20.12   200mm LINTEL OR BOND BEAM BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 200 x 200mm
actual dimensions (length x width x height mm)	390 x 190 x 190mm
core volume (% overall thickness)	40
characteristic unconfined compressive strength (MPa)	15
minimum shell thickness (mm)	30
average weight (kg)	16.4
units per tonne	60
number per pallet	108
number per sqm	2.5 per lineal metre
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	n/a

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_r \leq 36$ see notes)	60 to 240
integrity	120
insulation (core filled)	120

## Notes

This data represents average results from production lots based on the results achieved by samples selected at random for testing. Figures are accurate at date of publication and subject to change without notice. Contact us for confirmation of product specification.

Fire resistance levels as per AS3700: 2018. Acoustic opinion derived from Day Design Pty Ltd. 2012. Tested in accordance with AS 1191:1001 and AS/NZS 1276.1:1999. ^When reinforced and  $S_r < 36$ : 240 minutes.

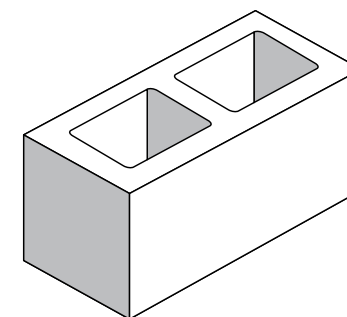
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	20.401   200mm 4 HOUR INSULATION FRL BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 200 x 200mm
actual dimensions (length x width x height mm)	390 x 190 x 190mm
core volume (% overall thickness)	35
characteristic unconfined compressive strength (MPa)	>15
minimum shell thickness (mm)	40
average weight (kg)	15.0
units per tonne	71
number per pallet	90
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	200

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing & Srf<21.14	240
integrity - non-load bearing & Srf<25.83	240

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:

60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

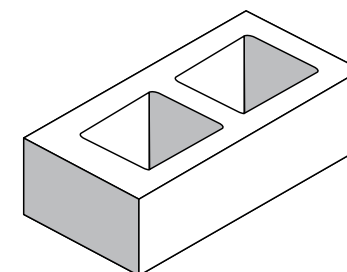
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	20.71   200mm HALF HEIGHT CORE FILLED BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 200 x 100mm
actual dimensions (length x width x height mm)	390 x 190 x 90mm
core volume (% overall thickness)	47
characteristic unconfined compressive strength (MPa)	>15
minimum shell thickness (mm)	30
average weight (kg)	6.0
units per tonne	166
number per pallet	216
number per sqm	25
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	168

## Diagram



## Fire Resistance Levels

structural adequacy (see notes)	60 to 240
integrity - load bearing & Srf<21.14	240
integrity - non-load bearing & Srf<25.83	240
insulation	120

## Notes

Maximum slenderness ratio (Srf) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:

60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

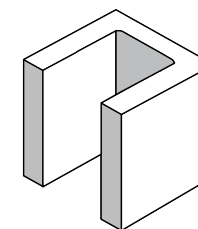
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	20.93   200mm HALF END CORE FILLED BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	200 x 200 x 100mm
actual dimensions (length x width x height mm)	190 x 190 x 90mm
core volume (% overall thickness)	n/a
characteristic unconfined compressive strength (MPa)	n/a
minimum shell thickness (mm)	58
average weight (kg)	7.3
units per tonne	137
number per pallet	180
number per sqm	25
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	n/a

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_{rf} \leq 36$ see notes)	240
integrity	240
insulation (core filled)	240

## Notes

Maximum slenderness ratio ( $S_{rf}$ ) calculated from fire tests and AS3700:2018 table 6.1 is:  
integrity FRL as per AS3700:2011 . Clause 6.4.2  
insulation FRL as per AS3700:2011 . Clause 6.3

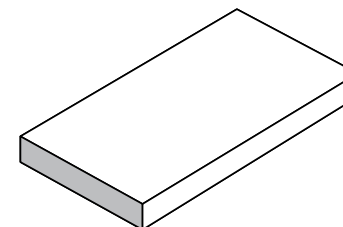
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	50.31   CAPPING TILE

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 40 x 200mm
actual dimensions (length x width x height mm)	400 x 40 x 200mm
core volume (% overall thickness)	Solid
characteristic unconfined compressive strength (MPa)	10
minimum shell thickness (mm)	n/a
average weight (kg)	5.3
units per tonne	188
number per pallet	160
number per 1m	2.5 per lineal metre
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	n/a

## Diagram



## Fire Resistance Levels

This data represents average results from production lots based on the results achieved by samples selected at random for testing. Figures are accurate at date of publication and subject to change without notice. Contact us for confirmation of product specification.

Fire resistance levels as per AS3700: 2018. Acoustic opinion derived from Day Design Pty Ltd. 2012. Tested in accordance with AS 1191:1001 and AS/NZS 1276.1:1999. ^When reinforced and Srf <36: 240 minutes.

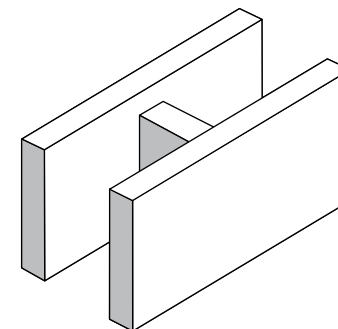
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	20.48   200mm H BLOCK

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 200 x 200mm
actual dimensions (length x width x height mm)	390 x 190 x 190mm
core volume (% overall thickness)	-
characteristic unconfined compressive strength (MPa)	15
minimum shell thickness (mm)	30
average weight (kg)	10.5
units per tonne	188
number per pallet	160
number per 1m	2.5 per lineal metre
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	400 (core filled)

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_{rf} \leq 36$ see notes for hollow walls)	240
integrity when core filled/ integrity when unfilled and $\& S_{rf} \leq 21.14$	240
insulation	240 (core filled) 120 (unfilled)

## Notes

Maximum slenderness ratio ( $S_{rf}$ ) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:

60 minutes: 27.83 non load bearing | 22.93 load bearing  
90 minutes: 27.83 non load bearing | 21.31 load bearing  
120 minutes: 26.32 non load bearing | 20.16 load bearing  
180 minutes: 23.30 non load bearing | 18.54 load bearing  
240 minutes: 21.16 non load bearing | 17.39 load bearing

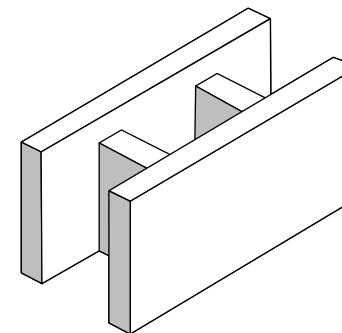
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	20.91   200mm STRETCHER BLOCK

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 200 x 200mm
actual dimensions (length x width x height mm)	390 x 190 x 190mm
core volume (% overall thickness)	-
characteristic unconfined compressive strength (MPa)	15
minimum shell thickness (mm)	30
average weight (kg)	11.2
units per tonne	-
number per pallet	108
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	400 (core filled)

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_{rf} \leq 36$ see notes for hollow walls)	240
integrity when core filled/ integrity when unfilled and $\& S_{rf} \leq 21.14$	240
insulation	240 (core filled) 120 (unfilled)

## Notes

Maximum slenderness ratio ( $S_{rf}$ ) calculated from fire tests and AS3700:2018 clause 6.3.2.2 is:

60 minutes: 27.83 non load bearing | 22.93 load bearing  
90 minutes: 27.83 non load bearing | 21.31 load bearing  
120 minutes: 26.32 non load bearing | 20.16 load bearing  
180 minutes: 23.30 non load bearing | 18.54 load bearing  
240 minutes: 21.16 non load bearing | 17.39 load bearing



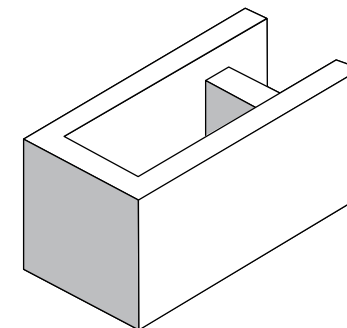
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	30.92   300mm FULL END

## Properties and Specifications

nominal dimensions (length x width x height mm)	400 x 300 x 200mm
actual dimensions (length x width x height mm)	390 x 290 x 190mm
core volume (% overall thickness)	n/a
characteristic unconfined compressive strength (MPa)	15
minimum shell thickness (mm)	n/a
average weight (kg)	9.3
units per tonne	107
number per pallet	n/a
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	n/a

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_{rf} \leq 36$ see notes)	240
integrity	240
insulation (core filled)	240

## Notes

Maximum slenderness ratio ( $S_{rf}$ ) calculated from AS3700:2018 table 6.1  
Integrity FRL as per AS3700:2018, Clause 6.4.2  
Insulation FRL as per AS3700:2018, Table 6.3

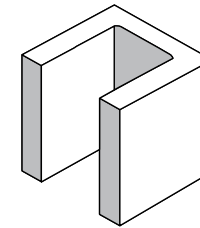
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	30.93   300mm HALF END BLOCKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	300 x 200 x 200mm
actual dimensions (length x width x height mm)	290 x 190 x 190mm
core volume (% overall thickness)	n/a
characteristic unconfined compressive strength (MPa)	15
minimum shell thickness (mm)	58
average weight (kg)	8.0
units per tonne	125
number per pallet	120
number per sqm	25
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	n/a

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_{rf} \leq 36$ see notes)	240
integrity	240
insulation (core filled)	240

## Notes

Maximum slenderness ratio ( $S_{rf}$ ) calculated from AS3700:2018 table 6.1  
Integrity FRL as per AS3700:2018, Clause 6.4.2  
Insulation FRL as per AS3700:2018, Table 6.3

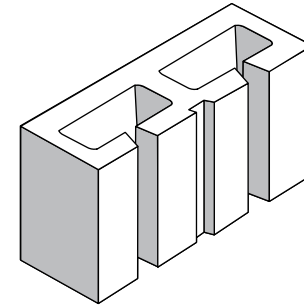
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	ACOUSTICELL 15AC   MADE TO ORDER

## Properties and Specifications

nominal dimensions (length x width x height mm)	390 x 190 x 140mm
actual dimensions (length x width x height mm)	390 x 190 x 140mm
core volume (% overall thickness)	n/a
characteristic unconfined compressive strength (MPa)	10
minimum shell thickness (mm)	n/a
average weight (kg)	10.8
units per tonne	93
number per pallet	120
number per sqm	12.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	140

## Diagram



## Fire Resistance Levels

This data represents average results from production lots based on the results achieved by samples selected at random for testing. Figures are accurate at date of publication and subject to change without notice. Contact us for confirmation of product specification.

Fire resistance levels as per AS3700: 2018. Acoustic opinion derived from Day Design Pty Ltd. 2012. Tested in accordance with AS 1191:1001 and AS/NZS 1276.1:1999. ^When reinforced and Srf <36: 240 minutes.

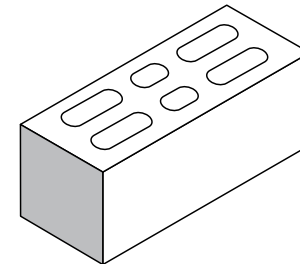
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	11.119SG   BRICK AND A HALF

## Properties and Specifications

nominal dimensions (length x width x height mm)	230 x 110 x 119mm
actual dimensions (length x width x height mm)	230 x 110 x 119mm
core volume (% overall thickness)	<25
characteristic unconfined compressive strength (MPa)	10
minimum shell thickness (mm)	n/a
average weight (kg)	4.6
units per tonne	220
number per pallet	n/a
number per sqm	32.3
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	n/a

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_{rf} \leq 36$ see notes)	60 to 240
integrity (load bearing & $S_{rf} < 21.14$ )	240
integrity (non-load bearing & $S_{rf} < 25.83$ )	240
insulation	180

## Notes

Maximum slenderness ratio ( $S_{rf}$ ) calculated from AS3700:2018 clause 6.3.2.2 is:  
 60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

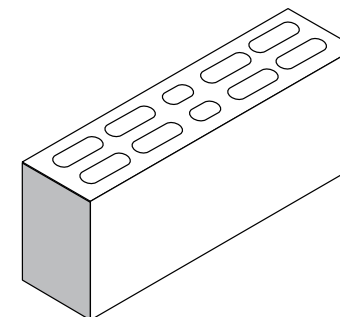
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	90.162SG   MADE TO ORDER

## Properties and Specifications

nominal dimensions (length x width x height mm)	290 x 90 x 162mm
actual dimensions (length x width x height mm)	290 x 90 x 162mm
core volume (% overall thickness)	<25
characteristic unconfined compressive strength (MPa)	10
minimum shell thickness (mm)	n/a
average weight (kg)	6.6
units per tonne	n/a
number per pallet	288
number per sqm	19.4
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	125

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_{rf} \leq 36$ see notes)	60 to 240
integrity (load bearing & $S_{rf} \leq 16$ )	120
integrity (non-load bearing & $S_{rf} \leq 25.83$ )	240
insulation	120

## Notes

Maximum slenderness ratio ( $S_{rf}$ ) calculated from AS3700:2018 clause 6.3.2.2 is:  
 60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

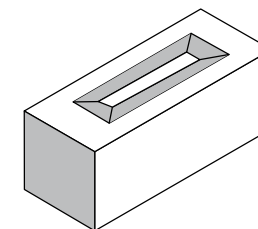
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	COMMON   COMMON BRICK

## Properties and Specifications

nominal dimensions (length x width x height mm)	230 x 110 x 76mm
actual dimensions (length x width x height mm)	230 x 110 x 76mm
core volume (% overall thickness)	solid with frog
characteristic unconfined compressive strength (MPa)	10
minimum shell thickness (mm)	n/a
average weight (kg)	3.15
units per tonne	-
number per pallet	400
number per sqm	48.5
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	n/a

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_{rf} \leq 36$ see notes)	60 to 240
integrity (load bearing & $S_{rf} < 21.14$ )	240
integrity (non-load bearing & $S_{rf} < 25.83$ )	240
insulation	180

## Notes

Maximum slenderness ratio ( $S_{rf}$ ) calculated from AS3700:2018 clause 6.3.2.2 is:  
60 minutes: 27.83 non load bearing | 22.93 load bearing  
90 minutes: 27.83 non load bearing | 21.31 load bearing  
120 minutes: 26.32 non load bearing | 20.16 load bearing  
180 minutes: 23.30 non load bearing | 18.54 load bearing  
240 minutes: 21.16 non load bearing | 17.39 load bearing

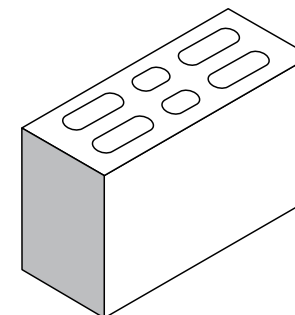
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	11.162FL   110mm LIGHT WEIGHT DOUBLE HEIGHT BRICKS

## Properties and Specifications

nominal dimensions (length x width x height mm)	230 x 110 x 162mm
actual dimensions (length x width x height mm)	230 x 110 x 162mm
core volume (% overall thickness)	25
characteristic unconfined compressive strength (MPa)	5
minimum shell thickness (mm)	Full bed (90mm)
average weight (kg)	4.7
units per tonne	222
number per pallet	300
number per sqm	24.2
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	-
wall mass inc mortar hollow	130

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $S_{rf} \leq 36$ see notes)	60 to 240
integrity (load bearing & $S_{rf} < 21.14$ )	240
integrity (non-load bearing & $S_{rf} < 25.83$ )	240
insulation	180

## Notes

Maximum slenderness ratio ( $S_{rf}$ ) calculated from AS3700:2018 clause 6.3.2.2 is:  
 60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing

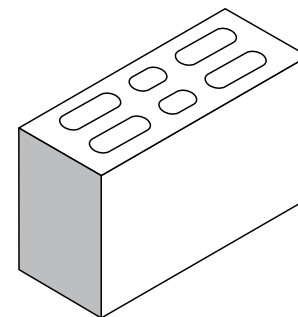
## Product Details

range name	AUSTRALITE
finish	SMOOTH
colours	GREY
product code   description	11.162SG   110mm DOUBLE HEIGHT BRICK

## Properties and Specifications

nominal dimensions (length x width x height mm)	230 x 110 x 162mm
actual dimensions (length x width x height mm)	230 x 110 x 162mm
core volume (% overall thickness)	<25
characteristic unconfined compressive strength (MPa)	10
minimum shell thickness (mm)	n/a
average weight (kg)	6.2
units per tonne	161
number per pallet	300
number per sqm	24.2
durability class (to AS4456.10 - sodium sulphate and sodium chloride)	EXPOSURE GRADE
wall mass inc mortar hollow	170

## Diagram



## Fire Resistance Levels

structural adequacy (when reinforced and $Sr_f \leq 36$ see notes)	60 to 240
integrity (load bearing & $Sr_f < 21.14$ )	240
integrity (non-load bearing & $Sr_f < 25.83$ )	240
insulation	180

## Notes

Maximum slenderness ratio ( $Sr_f$ ) calculated from AS3700:2018 clause 6.3.2.2 is:  
 60 minutes: 27.83 non load bearing | 22.93 load bearing  
 90 minutes: 27.83 non load bearing | 21.31 load bearing  
 120 minutes: 26.32 non load bearing | 20.16 load bearing  
 180 minutes: 23.30 non load bearing | 18.54 load bearing  
 240 minutes: 21.16 non load bearing | 17.39 load bearing