

Last Update: 05/06/2025

TECHNICAL DATA SHEET		
Product Code:	20.20 LWS	
Product Description:	190 mm NOTCH BLOCK UNIVERSAL LIGHTWEIGHT BLOCK	
Dimensions:	190 x 190 x 390 mm (W x H x L)	
Compressive Strength:	Unconfined compressive strength f_{uc} : 15 MPa minimum	
Minimum Core Dimensions:	139/122 mm (Length/Width)	
Density:	1.8 tonne/m ³ (dry)	
Fire:	Fire Resistance Level (FRL): Insulation 120 minutes	
Max Slenderness Ratio for FRL Structural Adequacy:	22.6 for FRL 120 minutes	
Material Thickness for FRL Insulation:	86 mm	
Sound:	Weighted Sound Reduction Index (R_w): 46	
R Value (Bare Block)	0.25	
Water Absorption:	10% by mass	
Salt Attack Resistance:	General Purpose	
Weight:	13.4 kg (20-01 closed ends), 12.8 kg (20-42 open end)	
No. per pallet:	108 units (36 units 20-01 Universal LWS and 72 units 20-42 LWS)	
No. per m ² :	12.5	
No. per Tonne:	67 (Combined 20-01 Universal LWS units with 20-42 LWS units)	

Fire Resistance Levels as per Section 6, AS 3700
Manufactured in accordance to AS/NZS 4455
Dimensions Tolerance +/- 2 mm for Length, Width and Height
Quality Assurance AS/NZS ISO 9001

The test results shown have been recorded in laboratory conditions. Results achieved in the field may vary due to differences in construction techniques or material variations.

For detailed specification to meet your precise requirements, expert advice should be obtained from National Masonry.

The physical properties on the Technical data sheet will also apply to the following products:
15.02LWS – (Dimensions: 140 x 190 x 290mm)
15.22LWS – (Dimensions: 140 x 190 x 340mm)

Subject to change without notice