hebel®

Shaft Wall

FEATURES & BENEFITS

- Up to 4 times lighter than concrete
- Recyclable, inert, non-toxic
- 4 Hour Fire rating
- Thermal insulator; reduces thermal bridging
- Sound insulator up to STC 50
- Reduced number of site inspections
- Contractor-friendly installation

APPLICATIONS

- Residential Demising Walls
- Commercial Shaft & MEP Walls
- Manufacturing & Industrial Fire Walls

Build Fast. Build Green. Build Hebel.

Xella

hebel®

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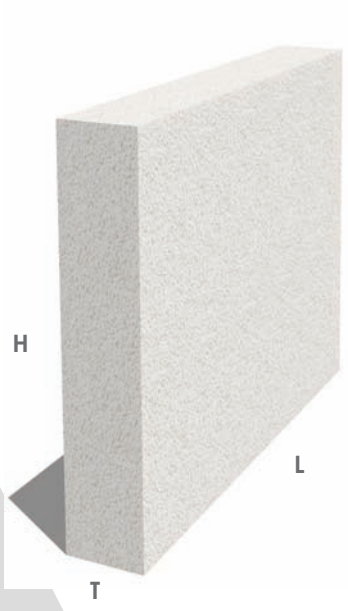
Hebel Shaft Wall Block Nominal Dimensions	
Thickness:	4"
Height:	24"
Length:	24"

Material Properties	AAC-2/400	AAC-4/500	AAC-4/600
Compressive Strength (psi)	290	580	
Dry Bulk Density (pcf)	25	32	37
Design Density (pcf)	30	38	44
Shipping Density (pcf)	37	44	52
Modulus of Elasticity (ksi)	195	296	
Specific Heat	0.25		
Thermal Conductivity (Btu in/h ft² °F)	0.80	0.92	1.03
Thermal Resistance (h ft² °F/Btu)			
6"	7.50	6.52	5.83
8"	10.00	8.70	7.77
10"	12.50	10.90	9.71
12"	15.00	13.04	11.65
Sound Transmission Class (db)			
6"	n/a	42	n/a
8"	n/a	46	n/a
10"	n/a	48	n/a
12"	n/a	n/a	n/a
UL Certifications Fire Rating: ANSI / UL 263			
Design No. U916 (min 8" Block)	4Hr	4Hr	4Hr
Design No. U917 (min 6" Block)	4Hr	4Hr	4Hr
Design No. U919 (min 4" Block)	4Hr	4Hr	4Hr
Design No. U921 (min 6" Block)	4Hr	4Hr	4Hr

Mortar
Thick Bed Mortar ASTM C270 (base = 3/4" max.)
Thin Bed Mortar ASTM C1660



Physical Data / Footnotes	
Product Literature:	Data Sheet HSWDS-2010, ASTM C 1386
Mortar:	Thick-Bed Mortar ASTM C 270 (3/4" max) Thin- Bed Mortar ASTM C 1660
Finishes:	Plaster, Stucco, Paint w/ perm rating >5 (ASTM C 1692, 9.2)
Other Finishes:	Tile, Thin Stone/Brick, Spray-on Siding, Acrylic, Drywall (furred out) See Technical Manual and / or Coating Manufacturers recommendations
Footnotes:	1. Hebel Product is not suitable for ground contact applications where water and freezing are possible. 2. Proper dust protection is recommended when cutting Hebel.

Ancillary Products Reference	
HJBDS-2010	Hebel Jumbo / Mini Jumbo
HUBDS-2010	Hebel U-Block
HCBDS-2010	Hebel Cored Block
HLBDS-2010	Hebel Lintel Block
HM-2010	Hebel Mortar
HT-2010	Hebel Tools

*LEED Credits			
Energy & Atmosphere	Materials & Resources	Indoor Environment Quality	Innovations in Design
EA Prereq 2 EA Credit 1	MR Credits 1.1, 2, 5	EQ Credit 4.6	ID Credits EA1, MR2, MR5

*All credits are subject to USGBC interpretation and the appropriate use on the specific building project.

To order samples or literature, contact customer service at: **Toll Free: 1-888-SA-XELLA (72-93552)**

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manufactured by:
Xella
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