



Build Bloc Limited, Gill Aggregates, Haylard Street, Dagenham RM9 6RJ

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BSEN 771-3:2011 +A1:2015

Dense - BBD

Category II, Aggregate concrete masonry unit, for use in walls, columns and partitions

Dimensions:	See Dispatch Note
Dimensional tolerances:	
Category:	D1
Flatness:	NPD
Plane parallelism:	NPD
Configuration:	Group1 (Solid)
Mean compressive strength:	3.6-30 N/mm ²
Dimensional stability: moisture movement:	<0.6mm/m
Shear bond strength:	0.15 N/mm ² (tabulated value)
Flexural bond strength:	NPD
Reaction to fire:	Euroclass A1
Water absorption:	8.5 g/m ² .s
Water vapour diffusion coefficient:	5/15 (tabulated value)
Direct airborne sound insulation:	
<u>Gross dry density</u>	1960 kg/m ²
<u>Configuration</u>	Group 1 (solid)
Thermal conductivity:	λ 1.07 W/(mK) _{10, dry mat}
Durability against freeze-thaw:	< 7.2, Requires protection >: > 7.2, Frost Resistant
Dangerous substances:	NPD



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Dense Hollow - BDH

Category II, Aggregate concrete masonry unit, for use in walls, columns and partitions

Dimensions:	See Dispatch Note
Dimensional tolerances:	
Category:	D1
Flatness:	NPD
Plane parallelism:	NPD
Configuration:	Group1 (Hollow)
Mean compressive strength:	3.6- 10.4N/mm ²
Dimensional stability: moisture movement:	<0.6mm/m
Shear bond strength:	0.15 N/mm ² (tabulated value)
Flexural bond strength:	NPD
Reaction to fire:	Euroclass A1
Water absorption:	7.0 g/m ² .s
Water vapour diffusion coefficient:	5/15 (tabulated value)
Direct airborne sound insulation:	
<u>Gross dry density</u>	1390 kg/m ²
<u>Configuration</u>	Group 1 (solid)
Thermal conductivity:	λ 1.08 W/(mK) _{10, dry mat}
Durability against freeze-thaw:	< 7.2, Requires protection >: > 7.2, Frost Resistant
Dangerous substances:	NPD



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Medium Dense - BMD

Category II, Aggregate concrete masonry unit, for use in walls, columns and partitions

Dimensions:	See Dispatch Note
Dimensional tolerances:	
Category:	D1
Flatness:	NPD
Plane parallelism:	NPD
Configuration:	Group1 (Solid)
Mean compressive strength:	3.6-10.4 N/mm ²
Dimensional stability: moisture movement:	<0.8mm/m
Shear bond strength:	0.15 N/mm ² (tabulated value)
Flexural bond strength:	NPD
Reaction to fire:	Euroclass A1
Water absorption:	7.1 g/m ² .s
Water vapour diffusion coefficient:	5/15 (tabulated value)
Direct airborne sound insulation:	
<u>Gross dry density</u>	1500 kg/m ²
<u>Configuration</u>	Group 1 (solid)
Thermal conductivity:	λ 0.48 W/(mK) _{10, dry mat}
Durability against freeze-thaw:	< 7.2, Requires protection >: > 7.2, Frost Resistant
Dangerous substances:	NPD



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Lightweight - BLW

Category II, Aggregate concrete masonry unit, for use in walls, columns and partitions

Dimensions:	See Dispatch Note
Dimensional tolerances:	
Category:	D1
Flatness:	NPD
Plane parallelism:	NPD
Configuration:	Group1 (Solid)
Mean compressive strength:	3.5 N/mm ²
Dimensional stability: moisture movement:	<0.9mm/m
Shear bond strength:	0.15 N/mm ² (tabulated value)
Flexural bond strength:	NPD
Reaction to fire:	Euroclass A1
Water absorption:	6.7 g/m ² .s
Water vapour diffusion coefficient:	5/15 (tabulated value)
Direct airborne sound insulation:	
<u>Gross dry density</u>	1100 kg/m ³
<u>Configuration</u>	Group 1 (solid)
Thermal conductivity:	λ 0.33 W/(mK) _{10, dry mat}
Durability against freeze-thaw:	Requires protection
Dangerous substances:	NPD