



Lignacite Ltd  
High Street, Brandon, Suffolk IP27 0AX

Date of manufacture (refer to product code on block pack)

13

**BS EN 771-3:2011**

Product: Lignacite 3.6N/mm<sup>2</sup> - all grades

Category 1, aggregate concrete masonry units

<b>Dimensions:</b>	440mm, see delivery ticket for width (mm), 215mm	
<b>Dimensional tolerances:</b>	<b>Category :</b>	D1
	<b>Flatness:</b>	NPD
	<b>Parallelism:</b>	NPD
<b>Configuration:</b>		Group 1 – solid units Group 2 – cellular and hollow
<b>Compressive strength:</b>	mean	3.6N/mm <sup>2</sup>
<b>Dimension stability:</b>	moisture movement:	<0.8mm/m
<b>Shear bond strength:</b>	Fixed value	0.15N/mm <sup>2</sup>
<b>Flexural bond strength:</b>		NPD
<b>Reaction to fire:</b>		Euroclass A1
<b>Water absorption:</b>		NPD
<b>Water vapour diffusion coefficient:</b>	Fixed value	5/15
<b>Direct airborne sound insulation:</b>	Gross density:	1570kg/m <sup>3</sup>
	Configuration:	As above
<b>Thermal conductivity:</b>		0.90W/mK ( $\lambda_{10, dry}$ )
<b>Durability against freeze-thaw:</b>	See Lignacite Product Data	



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**Product:** Lignacite 7.3N/mm<sup>2</sup> - all grades

Category 1, aggregate concrete masonry units

<b>Dimensions:</b>	440mm, see delivery ticket for width (mm), 215mm	
<b>Dimensional tolerances:</b>	<b>Category :</b>	D1
	<b>Flatness:</b>	NPD
	<b>Parallelism:</b>	NPD
<b>Configuration:</b>		Group 1 – solid units Group 2 – cellular and hollow
<b>Compressive strength:</b>	mean	7.3N/mm <sup>2</sup>
<b>Dimension stability:</b>	moisture movement:	<0.8mm/m
<b>Shear bond strength:</b>	Fixed value	0.15N/mm <sup>2</sup>
<b>Flexural bond strength:</b>		NPD
<b>Reaction to fire:</b>		Euroclass A1
<b>Water absorption:</b>		NPD
<b>Water vapour diffusion coefficient:</b>	Fixed value	5/15
<b>Direct airborne sound insulation:</b>	Gross density:	1570kg/m <sup>3</sup>
	Configuration:	As above
<b>Thermal conductivity:</b>		0.90W/mK ( $\lambda_{,10,dry}$ )
<b>Durability against freeze-thaw:</b>	See Lignacite Product Data	



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**Product:** Lignacite 10.4N/mm<sup>2</sup> - all grades

Category 1, aggregate concrete masonry units

<b>Dimensions:</b>	440mm, see delivery ticket for width (mm), 215mm	
<b>Dimensional tolerances:</b>	<b>Category :</b>	D1
	<b>Flatness:</b>	NPD
	<b>Parallelism:</b>	NPD
<b>Configuration:</b>		Group 1 – solid units Group 2 – cellular and hollow
<b>Compressive strength:</b>	mean	10.4N/mm <sup>2</sup>
<b>Dimension stability:</b>	moisture movement:	<0.8mm/m
<b>Shear bond strength:</b>	Fixed value	0.15N/mm <sup>2</sup>
<b>Flexural bond strength:</b>		NPD
<b>Reaction to fire:</b>		Euroclass A1
<b>Water absorption:</b>		NPD
<b>Water vapour diffusion coefficient:</b>	Fixed value	5/15
<b>Direct airborne sound insulation:</b>	Gross density:	1570kg/m <sup>3</sup>
	Configuration:	As above
<b>Thermal conductivity:</b>		0.90W/mK ( $\lambda_{10,dry}$ )
<b>Durability against freeze-thaw:</b>	See Lignacite Product Data	



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**BS EN 771-3:2011**

Product: Lignacite SP 3.6N/mm<sup>2</sup>

Category 1, aggregate concrete masonry units

<b>Dimensions:</b>	440mm, 140mm (width), 215mm	
<b>Dimensional tolerances:</b>	<b>Category :</b>	D1
	<b>Flatness:</b>	NPD
	<b>Parallelism:</b>	NPD
<b>Configuration:</b>		Group 1 – solid units
<b>Compressive strength:</b>	mean	3.6N/mm <sup>2</sup>
<b>Dimension stability:</b>	moisture movement:	<0.8mm/m
<b>Shear bond strength:</b>	Fixed value	0.15N/mm <sup>2</sup>
<b>Flexural bond strength:</b>		NPD
<b>Reaction to fire:</b>		Euroclass A1
<b>Water absorption:</b>		NPD
<b>Water vapour diffusion coefficient:</b>	Fixed value	5/15
<b>Direct airborne sound insulation:</b>	Gross density:	1450kg/m <sup>3</sup>
	Configuration:	As above
<b>Thermal conductivity:</b>		0.79W/mK ( $\lambda_{r,10,dry}$ )
<b>Durability against freeze-thaw:</b>	See Lignacite Product Data	