



Product name		<b>YTONG-Hi-Strength 8,7 block</b>	
 0957			
Xella UK Reddicap Trading Estate Sutton Coldfield B75 7B4  06 0957-CPD-0508 – factory Meppel / 0957-CPD-0509 – factory Vuren 0957-CPD-510 – factory Landgraaf			
<b>EN 771-4</b>			
Factory made autoclaved aerated concrete blocks, category 1, for uses in load bearing and non-load bearing masonry mortar, c.q. thin-layer mortar masonry constructions for internal or external use.			
Configuration	<b>Product guide</b>		
Dimensions	<b>Product guide</b>	EN 772-16	
Tolerances (length / height/ width)	<b>± 3 mm, ± 2 mm, ± 2 mm</b>	Table 2 : TLMA	
Average normalised compressive strength (n=20, 95% confidence level)	<b>≥ 8,7 N/mm<sup>2</sup></b>	EN 772-1	
Initial shear strength in combination with thin-layer mortar	<b>≥ 0,30 N/mm<sup>2</sup></b>	EN 998-2, Appendix C	
Initial shear strength in combination with normal masonry mortar	<b>≥ 0,15 N/mm<sup>2</sup></b>		
Dimensional stability ( moisture movement)	<b>≤ 0,2 mm/m</b>	EN 680	
Reaction to fire	<b>A1</b>	EN 13501-1	
Water absorption	<b>n.p.d.</b>	EN 772-11	
Water vapour permeability	<b>5 / 10</b>	EN 1745, table A.10	
Net dry density	<b>680 - 750 kg/m<sup>3</sup></b>	EN 772-13	
Thermal conductivity	$\lambda_{10,dry}$	P = 50%	<b>0,18 W/mK</b> EN 1745, table A.10
Durability (freeze-thaw resistance)	History has shown, that the YTONG-block has a high freeze/thaw resistance when applied in the intended place of use.		
Additional information			
Strength mark	<b>Orange</b>		<b>≥ 8,7 N/mm<sup>2</sup></b>