

Declaration of performance

48000649



Unique identification code of the product-type:	Ytong Forte PP2,5/0,4 S+GT 36,5 cm
Intended use/es:	In walls, columns and partitions
Manufacturer:	Xella Polska Sp. z o.o. ul.17 stycznia 48, 02-146 Warszawa
Authorised representative:	Xella Technologie- und Forschungsgesellschaft mbH Hohes Steinfeld 1, 14797 Kloster-Lehnin, Niemcy
System/s of AVCP:	System 2+
Harmonised standard:	EN 771-4:2011
Notified body/ies:	Ośrodek Certyfikacji Instytutu Mechanizacji Budownictwa i Górnictwa Skalnego, notified body 1454

Declared performance

Dimensions				
length, mm	599			
width, mm	365			
height, mm	199			
category	TLMB			
flatness, mm	≤ 1,0			
parallelism, mm	≤ 1,0			
Shape and configuration:				
description	tongue-groove(S), grip hole (GT)			
element group	group 1S (EN 1996-1-2)			
volume of voids	≤ 5%			
Category of masonry unit	I			
Compressive strength, mean, N/mm ²	2,5 (⊥ to bed faces, cut prism)			
Dimensional stability (moisture movement), mm/m	≤ 0,20			
Bond strength (initial shear strength), N/mm ²	TLM: 0,30, GPM: 0,15 (fixed value, EN 998-2 annex C)			
Flexural bond strength (fixed value, thin bed mortar), N/mm ² :	(fixed value, EN 1996-1-1)			
	TLM	GPM:	f _m <5 MPa	f _m ≥5 MPa
plane parallel to bed joints	0,088		0,05	0,10
⊥ plane perpendicular to bed joint, joints filled	0,088		0,20	0,40
⊥ plane perpendicular to bed joint, joint not filled	0,063		-	-
Reaction to fire:	Euroclass A1			
Water absorption:	do not use unprotected			
Water vapour permeability:	5/10 (fixed value, EN 1745)			
Gross dry density, kg/m ³	375 ± 25			
Thermal conductivity, λ _{10,dry,unit} , W/(mK)	≤ 0,105 (S2, P=90%)			
Durability against freeze-thaw:	frost resistant			
Dangerous substances:	NPD			

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed on behalf of the manufacturer:

Tomasz Wiśniewski
CTO

Warszawa, 2017-01-02