

PRODUCT NAME: NT 65mm Sharp Corners (215*102*65)

DECLARATION DATE 21/01/2021

TS EN 771-1+A1 / August 2015

LENGTH :215 mm ,WIDTH : 102mm ,HEIGHT :65 mm, U, VERTICAL PERFORATED CARRIER

CATEGORY II , UNPROTECTED CLAY MASONRY UNIT

U:Clay masonry unit designed for use in unprotected masonry

PERFORMANCE DECLARATION (NT 65mm)



NUMBER: P1

PROPERTIES REQUIRED		COMPANY DECLARATION	FOUND	1- Vertical hollow bricks produced of clay Category II 215*102*65 mm
Standart Article No and Properties of the Product				
DIMENSION TOLERANCES (HD UNITS)	TS EN 771-1 Article 5.3.1.2.2.	CATEGORY T2	T2 The greater of ±0,25 (NOMINAL DIMENSION)(mm) or 2 mm TS EN 771-1 3,87 mm 2,52 mm 2,02 mm İŞIKLAR 3.4 2.2 2.0	2- Product information no: NT
INTERVAL	TS EN 771-1 Article 5.3.1.2.3.	CATEGORY R2	R2 0,3 (nominal dimension) mm TS EN 771-1 4,40 mm 3,03 mm 2,42 mm İŞIKLAR 4.0 3.0 2.0	3- Masonry unit designed to include the exterior facade and interior sections of the structures included in the field of building and construction engineering.
DEVIATION OF THE PAVING FACES FROM FLATNESS	TS EN 771-1 Article 5.3.1.2.4.	Deviation max : 2,5 mm	Deviation max : 2,0 mm	4- İşıklar İnş.Miz.San.ve Tic. A.Ş Ağıdacı Mah. Değirmen Cad. No:118/5 BARTIN
PLANAR PARALLELISM OF THE PAVING FACES	TS EN 771-1 Article 5.3.1.2.5.	Deviation max : 2,5 mm	Deviation max : 2,0 mm	5- Not available.
CONFIGURATION AND VIEW	TS EN 771-1 Article 5.3.2		_____	6- In the performance declaration for a building material within the scope of an harmonized standard: Evaluation and verification systems of performance invariability are arranged under System 4.
IF ANY, THE SHAPES AND PROPERTIES INCLUDING THE DIRECTION OF THE GAPS CREATED BY DESIGNING (to be shown by drawing or picture).		GIVEN IN THE ATTACHMENT	GIVEN IN THE ATTACHMENT	7- the product quality control is performed at our company laboratory within the frame of KY-2685-03/10-R Quality Management System of our company.
THE PROPORTION OF THE TOTAL VOLUME OF ALL THE GAPS CREATED BY DESIGNING TO THE GROSS VOLUME OF THE MASONRY UNIT (Length x Width X Height) AS PERCENTAGE		Upper Limit: %28 Lower Limit: %18 or the range between two values	Upper Limit: %25,6 Lower Limit: %22,3 Avr: %24	
THE PROPORTION OF THE LARGEST OF ALL THE GAPS CREATED BY DESIGNING TO THE GROSS VOLUME OF THE MASONRY UNIT (Length x Width X Height) AS PERCENTAGE.		Upper Limit: %5 Lower Limit: %1 or the range between two values	Upper Limit: %2,1 Lower Limit: %2,5 Avr: %2,31	
THE PROPORTION OF THE TOTAL VOLUME OF THE GRIP HOLES TO THE GROSS VOLUME OF THE MASONRY UNIT (Length x Width x Height) AS PERCENTAGE		This property is not required since there is no grip hole.	This property is not required since there is no grip hole.	8- Is not arranged.
THICKNESS OF INTERNAL WALLS		Upper Limit: %14 Lower Limit: %10 or the range between two values	Upper Limit: 13,8 mm Lower Limit: 12,9 mm Avr: 13,2	9- Product performance criteria is given in detail in the table on the left.
THICKNESS OF EXTERNAL WALLS		Widthwise Lengthwise Upper Limit: 23 mm 23 mm Lower Limit: 18 mm 18 mm or the range between two values	Widthwise Lengthwise Upper Limit: 21,9 mm 20,00 mm Lower Limit: 21 mm 18,7 mm	
JOINED THICKNESS OF THE EXTERNAL AND INTERNAL WALLS FROM SIDEWALL TO SIDEWALL		Upper Limit: %80 Lower Limit: %40 or the range between two values	Upper Limit: %54,6 Lower Limit: %52,3 FOUND : %53,6	10- This performance declaration is made by our company for which information is provided in the article and the approval signature is affixed by the authorized person.
JOINED THICKNESS OF THE EXTERNAL AND INTERNAL WALLS FROM FACE TO FACE		Upper Limit: %50 Lower Limit: %30 or the range between two values	Upper Limit: %44,5 Lower Limit: %42,5 FOUND : %43,37	
THE PROPORTION OF THE GAP AREAS ON A PAVING FACADE TO UNIT SURFACE AREA (LENGTH X WIDTH) AS PERCENTAGE		Upper Limit: %30 Lower Limit: %15 or the range between two values	Upper Limit: %25,6 Lower Limit: %22,3 Avr: %24,06	
TOTAL VOLUME OF THE PITS SHOULD NOT EXCEED 20% OF THE GROSS VOLUME OF THE MASONRY UNIT (Length x Width x Height).		This property is not required since the product is not produced with pits.	This property is not required since the product is not produced with pits.	Performance declaration signed on behalf of the company by Selçuk ÖZDEMİR 21/01/2021
GROSS DRY UNIT VOLUME MASS	TS EN 771-1 Article 5.3.3.1	TOLERANCE CATEGORY : D1 Avr: 1640 kg/m³	TOLERANCE : D1 Avr: 1640 kg/m³ ± %10 Avr: 1712 kg/m³	
NET DRY UNIT VOLUME MASS	TS EN 771-1 Article 5.3.3.2	TOLERANCE CATEGORY : D1 Avr: 2350 kg/m³	TOLERANCE CATEGORY : D1 Avr: 2350 kg/m³ ± %10	
PRESSURE RESISTANCE CHARACTERISTIC PRESSURE RESISTANCE (by surface correction)	TS EN 771-1 Article 5.3.4	Characteristic: 75 N/mm²	Characteristic: Avr. 80 N/mm²	
THERMAL BEHAVIOR CHARACTERISTICS	TS EN 771-1 Article 5.3.5	Max: 0,490 W/m K	Max: 0,476 W/m K	
RESISTANCE	TS EN 771-1 Article 5.3.6 TS EN 539-2 METHOD A	F2 severe environment	F2 severe environment	
WATER ABSORPTION	TS EN 771-1 Article 5.3.7.2	MAX: %7 (Class B)	Avr: %6 MAX: %7	
ACTIVE SOLUBLE SALT CONTENT	TS EN 771-1 Article 5.3.9	CATEGORY : S2 Max Na+K : %0,06 Max Mg : %0,03	Max Na+K : %0,059 Max Mg : %0,009	
MOISTURE MOVEMENT	TS EN 771-1 Article 5.3.10	This feature is not required since the product does not have horizontal holes and the dimensions are less than 400 mm and the external wall thickness is larger than 12 mm.		
FIRE RESISTANCE FIRE CLASS A1 ORGANIC MATTER QUANTITY	TS EN 771-1 Article 5.3.11	FIRE CLASS: A1 Organic Matter Mass Max : 1%	FIRE CLASS: A1 Organic Matter Mass Max : 0,698%	
WATER VAPOR PERMEABILITY	TS EN 771-1 Article 5.3.12	Water vapor diffusion coefficient of the masonry unit : (μ) max 10	Water vapor diffusion coefficient of the masonry unit : (μ : 7,03)	
BOND STRENGTH	TS EN 771-1 Article 5.3.13.3	Characteristic initial slide resistance: Min: 0,300 N/mm²	Characteristic initial slide resistance: Min: 0,561 N/mm²	
MARKING	TS EN 771-1 Article 7	Should be given in any document provided with the masonry unit.		