



SQUARE SHINGLES

Available in red, green, grey, black and brown

DECLARATION OF PERFORMANCE No. 134-15

(according to REGULATION (EU) No 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2011)

Type of the construction product:	bitumen shingles with mineral reinforcement, type 3T4X21 , produced in accordance with ETA-09/0280 of 05/10/2015		
Intended use or uses of the construction product:	intended to be laid as discontinuous covering for pitched roofs with pitch $\geq 12^\circ$ and / or wall cladding where the watertightness of the system is ensured by overlapping, according to the manufacturer's installation instructions		
System or systems of assessment and verification:	System 4; reaction to fire and external fire performance - System 3		
European Assessment Document:	EAD 220020-00-0402		
European Technical Assessment:	ETA-09/0280 issued 05/10/2015		
Declared performance			
Essential characteristics	Performance	Harmonised technical specification	
Dimensions of shingles (width / height)	1000 mm (± 3 mm) / 333 mm (± 3 mm)	ETA-09/0280	
Thickness	2,9 mm ($\pm 5\%$)		
Mass of bitumen	1000 g/m ² (± 150 g/m ²)		
External fire performance	B _{ROOF} (t1)		
Reaction to fire	class E		
Tensile strength (in direction of the shingle width / height)	850 N/50 mm (± 200 N/50mm) / 600 N/50 mm (± 200 N/50mm)		
Nail shank resistance	220 N (± 100 N)		
Water absorption	$\leq 1,5$ %		
Flow resistance at elevated temperature	≤ 2 mm at 100 °C		
Adhesion of mineral granules	$\leq 1,5$ g		
Resistance to blistering	resistant		
Resistance to UV radiation	resistant		
Resistance to heat ageing	resistant		
Release of dangerous substances	product contains no hazardous materials		

Further Information

View our full range of products at www.wonderbuilds.co.uk

You can also contact us at [0208 208 2121](tel:02082082121), or at admin@wonderbuilds.co.uk