



HEXAGONAL SHINGLES

Available in red, green, grey and black

DECLARATION OF PERFORMANCE No. 136-15

(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 6S4X21 , 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 ≥ 12° 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: European Technical Assessment:	EAD 220020-00-0402 ETA-09/0280 issued 05/10/2015	
Declared performance		
Essential characteristics	Performance	Harmonised technical specification
Dimensions of shingles (width / height)	1000 mm (± 3 mm) / 317 mm (± 3 mm)	ETA-09/0280
Thickness	2,9 mm (± 5%)	
Mass of bitumen	1000 g/m² (± 150g/m²)	
External fire performance	B _{ROOF} (t1)	
Reaction to fire	class E	
tensile strength (in direction of the shingle width / height)	800 N/50 mm (± 200 N/50mm) / 600 N/50 mm (± 200 N/50mm)	
Nail shank resistance	200 N (± 100 N)	
Water absorption	≤ 1,5 %	
Flow resistance at elevated temperature	≤ 2 mm at 100 °C	
Adhesion of mineral granules	≤ 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