Clay & Slate ROOFING MATERIALS

Clay & Slate Roofing Products
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MNS Minas Natural Solutions

BRAZILIAN GRAPHITE ROOFING SLATE

TEST RESULTS IN ACCORDANCE WITH BSEN 12326-2 : 2001

1.	**Unique identification code of the product-type:**	**MNS BRAZILIAN GRAPHITE**
2.	**Type, batch or serial number or any other element allowing identification of construction product as required under Article 11(4):**	**500×250 mm & 500×375 mm**, Graphite, Papagaios - MG, Brazil
3.	**Intended use or uses of the construction product in accordance with the applicable harmonized Technical Specification, as foreseen by the manufacturer:**	Slate and carbonate slate for discontinuous roofing and cladding – **BS EN 12326-2 : 2001**
4.	**Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):**	**MNS, S.L.** C/ MSP 4 1C, Ponferrada, Spain
5.	**Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):**	N/A
6.	**System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:**	AVCP System 4

7. Declared Performance

Dimensional Tolerances	
Individual thickness and variation to nominal:	**6 mm** ±35%
Deviation from declared length and width:	Complies
Deviation from edge straightness:	Complies
Deviation from squareness:	Complies
Strength (Characteristic Modulus of rupture):	Transverse: **38.85 N/mm²** Longitudinal: **38.86 N/mm²**
Performance	
Water absorption:	**0.50% W1**
Freeze-thaw cycling:	Not required
Thermal cycling:	**T1**
Sulfur dioxide exposure:	**S1**
Non-carbonate carbon content:	**0.2%**. Complies (≤2%)
Carbonate content:	**0.8%**. Complies
Release of dangerous substances:	None in conditions of use as roofing or external cladding
External fire performance:	Deemed to satisfy
Reaction to fire:	Deemed to satisfy **A1**

8. Performance of the product identified in Points 1 and 2 is in conformity with the declared performance in Point 7. 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in Point 4.

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