

Nr of doc:INV-K-15696

1. **Manufacturer:** AKROLITHOS SA., Kipia, 64100 kavala
2. **Authorized Representative:** ./.
3. **Product Type:** Kavalas slate (further specialization in the type code)  
 Petrological name: Muscovite schist.  
 Color: Mainly grey and shades of grey.  
 Place of Origin: Mountain Paggai/Kavala/Greece.
4. **System of Assessment:** 5
5. **ITT Laboratory:** Initial type testing (ITT) for System of assessment 5, has been performed by Lab GEOTERRA and relevant test reports are available.
6. **Declared Performance::**

Type Code	Essential Characteristics-Declarations											Harmonized Standard		
	Flexural strength (EN 12372)	Slip resistance (EN 14231)	Abrasion resistance (EN 14157 Method B)	Reaction to fire Without testing (see decision 96/603/EC, as amended)	Compressive strength (EN 1926)	Thermal shock resistance (EN 14066)	Frost resistance (EN 12371)	Apparent density & Open porosity (EN 1936)	Water absorption at atmospheric pressure (EN 13755)	Capillary absorption (EN 1925)	Water vapour permeability (EN ISO 12572)	Breaking load at dowel hole (EN 13364)	Intended Use	
	Mean value: 28.37 N/mm <sup>2</sup> Lower expected value: 18.90 N/mm <sup>2</sup> Standard deviation: 4.85	Natural surface SRV wet=65.8 SRV dry=89.2  processed surface: SRV wet=59.5 SRV dry=73.2	1998,9mm <sup>3</sup>	Class A1	Mean value: 114.11N/mm <sup>2</sup> Lower expected value: 47.19N/mm <sup>2</sup> Standard deviation: 31.87	Mass change Δm=-0.1% Flexural strength change ΔR <sub>f</sub> = -14.3%	Volume change ΔV <sub>v</sub> =0.0% Flexural strength change ΔR <sub>f</sub> =7.0%	2643.3 Kg/m <sup>3</sup> Open porosity: 1.1%	0.43 %	1,01 g/m <sup>2</sup> √s	Water vapor permeability 2,23E-12kg/m s Pa Resistance coefficient: 101.2	Mean value: 3835,4N Lower expected value: 2961,93N Standard deviation: 454,80		
20-101-0001	X	X	X			X	X	X					EN1341	Slabs of natural stone for external paving
21-101-0275	X	X	X	X		X	X	X	X	X	X	X	EN1469	Slabs of natural stone for cladding

7. The performance of the product identified above is in accordance with the declared performance (-s) and is marked with X in the same row of the table for each product. This declaration of performance is syntaxed in accordance with the Regulation (EU) No: 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: **M. Georgios Chatzisavas (President)**

Kipia Kavallas, 09.03.2026

**AKROLITHOS S.A.**  
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