CE Year 2008	Standard: **UNE EN 1469:2005** Product: **Natural stone tiles for cladding** Title: **Grey Phyllite from Bernardos** Petrographic definition: **Phyllite** Color: **Grey metallic** Origin: **Bernardos (Segovia), Spain** Uses: **Wall coverings for interior and exterior**	DEL CASTILLO

Name and Address of the producer:

JBernardos
Crta. De Carbonero, s/n
40430 Bernardos (Segovia, Spain)
info@delcastilloslate.com

Characteristics	Values	Test method
Reaction to fire	Class A1	Not necessary testing (see decision 96/603/EC)
Flexural strength	Average value: 75,0 MPa Lower expected value: 68.3 MPa Standard deviation: 3.3 MPa	UNE-EN 12372:2007
Strength at anchor	Average value: 3550 N Lower expected value: 2445 N Estándar deviation: 600 N	UNE-EN 13364:2002
Density	2750 Kg/m^3	UNE-EN 1936:1999
Porosity	0,3%	UNE-EN 1936:1999
Frost resistance	After 144 tests: - Average value: 74.8 MPa - Lower value expected: 63.8 MPa - Standard deviation: 5.4 MPa	UNE-EN 12371:2011
Resistance to aging by thermal schock	No changes After 20 tests: - Average value of mass varition: 0,03 % - Decreased of the dynamic elasticity: - 0,3 %	UNE-EN 14066:2003
Water vapor permeability Resistance to water vapor diffusion (μ)	Dry: 1000 Wet: 800	UNE-EN 12524:2000
Water absorption with atmospheric pressure	0,1 %	UNE-EN 13755:2002
Water absorption by capillarity	Perpendicular: 0,193 $g/m^2 \cdot s^{0,5}$ Parallel: 0,232 $g/m^2 \cdot s^{0,5}$	UNE-EN 1925:1999

CE Year 2008	Standard: **UNE EN 12058:2005** Product: **Natural stone tiles for floors and stairs** Title: **Grey Phyllite from Bernardos** Petrographic definition: **Phyllite** Color: **Grey metallic** Origin: **Bernardos (Segovia), Spain** Uses: **Interior and Exterior flooring**	DEL CASTILLO

Name and address of the producer:

JBernardos
Crta. De Carbonero, s/n
40430 Bernardos (Segovia, Spain)
info@delcastilloslate.com

Characteristics	Values	Test method
Reaction to fire	Class A1	Not necessary testing (see decision 96/603/EC)
Flexural strength	Average value: 75.0 MPa Lower expected value: 68.3 MPa Standard deviation: 3.3 MPa	UNE-EN 12372:2007
Split resistance	Sawn: · SRV Dry: 90 · SRV Wet: 76 Aged: · SRV Dry: 75 · SRV Wet: 44 Honed: · SRV Dry: 76 · SRV Wet: 40	UNE-EN 14231:2004
Density	2750 Kg/m^3	UNE-EN 1936:1999
Porosity	0,3%	UNE-EN 1936:1999
Abrasion resistance	Average value: 25,0 mm Maximum expected value: 26,5 mm Standard deviation: 0,6 mm	UNE-EN 14157:2005
Frost resistance	After 144 tests: - Average value: 74.8 MPa - Lower expected value: 63.8 MPa - Standard deviation: 5.4 Mpa	UNE-EN 12371:2011
Resistance to aging by thermal schock	After 20 tests: - Average value of mass variation: 0,03 % - Decrease of the dynamic elasticity: - 0,3 %	UNE-EN 14066:2003
Water vapor permeability Resistance to water vapor diffusion (μ)	Dry: 1000 Wet: 800	UNE-EN 12524:2000
Water absorption with atmospheric pressure	0,1 %	UNE-EN 13755:2002
Water absorption by capillarity	Perpendicular: 0,193 $g/m^2 \cdot s^{0,5}$ Parallel: 0,232 $g/m^2 \cdot s^{0,5}$	UNE-EN 1925:1999