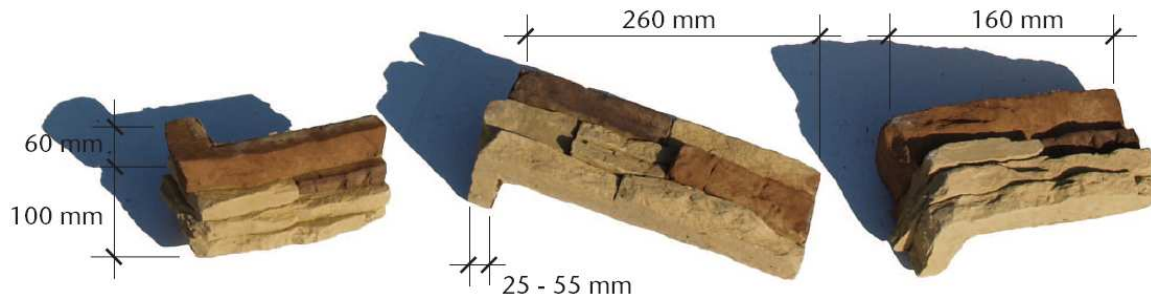




PRODUCT TECHNICAL DATA SHEET

| | |
|------------------------------------|-----------------------------|
| TECHNICAL DATA SHEET NO.: 10012101 | DATE: 12.06.2008 |
| MANUFACTURER: ECOPIEDRA, S.L | PRESENTATION: CAJA DE 1,5ml |
| CITY: LOECHES | |



| | |
|---------------------------|---------------------|
| DESIGNATION OF THE MODEL: | LAJA MARRÓN ESQUINA |
| MASS COLOURING: | MARRÓN |
| THICKNESS: | Entre 25 y 55mm |
| NOMINAL DIMENSIONS: | 160 X 60 X 100mm |

| TECHNICAL CHARACTERISTICS | TEST METHOD | VALUES GUARANTEED BY THE MANUFACTURER | TOLERANCES |
|---|---------------------------------------|---------------------------------------|---------------------|
| Appearance and colour. | | | |
| Changes in design colour. | Visual | Not accepted | -- |
| Changes in design appearance of the face. | Visual | Not accepted | -- |
| Dimensional characteristics. | | | |
| Angle deviation. | UNE EN 14617-16 ECO-PE- 09 | 2,5 | ≤ 5,0mm |
| Side length (long). | UNE EN 14617-16 ECO-PE- 09 | 161,0 | ± 5mm |
| Side length (short). | UNE EN 14617-16 ECO-PE- 09 | 61,0 | ± 5mm |
| Corner piece width. | UNE EN 14617-16 ECO-PE- 09 | 101,0 | ± 5mm |
| Corner piece thickness. | UNE EN 14617-16 ECO-PE- 09 | 54,5 | ± 5mm |
| Physical Characteristics. | | | |
| Water absorption. | UNE EN 14617-1 | 10,1 | 10 ± 2 % |
| Apparent density. | UNE EN 14617-1 | 1700 | Kg/m ³ |
| Efflorescence*. | UNE 67029 ECO-PE-08 | Non - Efflorescent | -- |
| Mechanical characteristics. | | | |
| Durability (Frost susceptibility). | UNE EN 14617-5 | Non- Frost Susceptibility (NFS) | -- |
| Compressive strength. | UNE EN 1015-11 | 28,0 | ± 2 MPa |
| Flexural strength | UNE EN 1015-11 | 4,5 | ± 0,5 MPa |
| Thermal shock resistance. | UNE EN 14617-6 | No changes in appearance of the face | -- |
| Adherence*. | UNE EN 1348 | > 1,0 | ± 0,5 MPa |
| Adherence**. | UNE EN 1015-12 | No applicable | -- |
| TECHNICAL BUILDING CODE | | | |
| Fire resistance. | EN ISO 1716:02 EN ISO 1182:02 | CLASE A1* | CLASE A1* |
| Acoustic insulation. | UNE EN ISO 140-3 UNE EN ISO 140-16 | 5 - 24 | dB |
| Thermal resistance (R) | UNE EN 12667:02 | 0,05-0,10 | m ² .K/W |
| Thermal conductivity (λ) | | 0,376 | W/m. K |
| Transmittance (U) | | 20,00-10,00 | W/m ² .K |

* Adhesive Cement recommended by ECOPIEDRA, S.L.

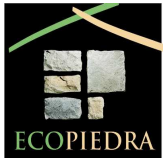
** Mortar for Joints recommended by ECOPIEDRA, S.L.

*** At www.ecopiedra.com, in Data Sheets, see the sound reduction improvement Index for different construction solutions.

Quality Department

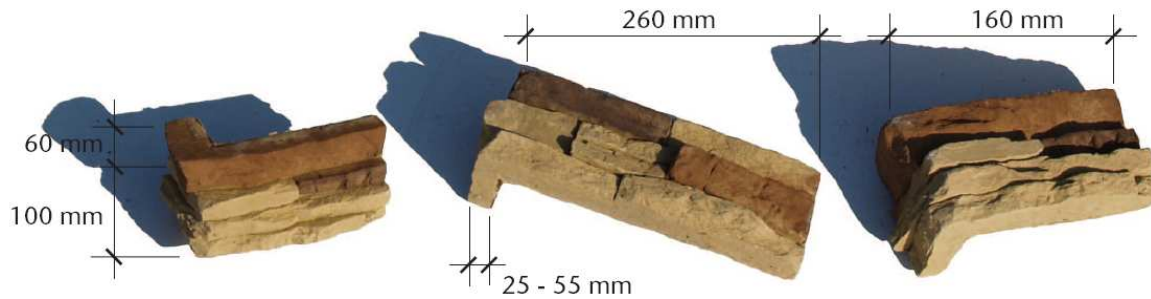
ECOPIEDRA, S.L.

IF-9/00



PRODUCT TECHNICAL DATA SHEET

| | |
|------------------------------------|-----------------------------|
| TECHNICAL DATA SHEET NO.: 10012101 | DATE: 12.06.2008 |
| MANUFACTURER: ECOPIEDRA, S.L | PRESENTATION: CAJA DE 1,5ml |
| CITY: LOECHES | |



| | |
|---------------------------|---------------------|
| DESIGNATION OF THE MODEL: | LAJA MARRÓN ESQUINA |
| MASS COLOURING: | MARRÓN |
| THICKNESS: | Entre 25 y 55mm |
| NOMINAL DIMENSIONS: | 260 X 60 X 100mm |

| TECHNICAL CHARACTERISTICS | TEST METHOD | VALUES GUARANTEED BY THE MANUFACTURER | TOLERANCES |
|---|---------------------------------------|---------------------------------------|--|
| Appearance and colour. | | | |
| Changes in design colour. | Visual | Not accepted | -- |
| Changes in design appearance of the face. | Visual | Not accepted | -- |
| Dimensional characteristics. | | | |
| Angle deviation. | UNE EN 14617-16 ECO-PE- 09 | 2,5 | ≤ 5,0mm |
| Side length (long). | UNE EN 14617-16 ECO-PE- 09 | 261,0 | ± 5mm |
| Side length (short). | UNE EN 14617-16 ECO-PE- 09 | 61,0 | ± 5mm |
| Corner piece width. | UNE EN 14617-16 ECO-PE- 09 | 101,0 | ± 5mm |
| Corner piece thickness. | UNE EN 14617-16 ECO-PE- 09 | 53,5 | ± 5mm |
| Physical Characteristics. | | | |
| Water absorption. | UNE EN 14617-1 | 10,2 | 10 ± 2 % |
| Apparent density. | UNE EN 14617-1 | 1700 | Kg/m ³ |
| Efflorescence*. | UNE 67029 ECO-PE-08 | Non - Efflorescent | -- |
| Mechanical characteristics. | | | |
| Durability (Frost susceptibility). | UNE EN 14617-5 | Non- Frost Susceptibility (NFS) | -- |
| Compressive strength. | UNE EN 1015-11 | 28,0 | ± 2 MPa |
| Flexural strength | UNE EN 1015-11 | 4,5 | ± 0,5 MPa |
| Thermal shock resistance. | UNE EN 14617-6 | No changes in appearance of the face | -- |
| Adherence*. | UNE EN 1348 | > 1,0 | ± 0,5 MPa |
| Adherence**. | UNE EN 1015-12 | No applicable | -- |
| TECHNICAL BUILDING CODE | | | |
| Fire resistance. | EN ISO 1716:02 EN ISO 1182:02 | CLASE A1* | CLASE A1* |
| Acoustic insulation. | UNE EN ISO 140-3 UNE EN ISO 140-16 | 5 - 24 | dB |
| Thermal resistance (R) Thermal conductivity (λ) Transmittance (U) | UNE EN 12667:02 | 0,05-0,10 0,376 20,00-10,00 | m ² .K/W W/m. K W/m ² .K |

* Adhesive Cement recommended by ECOPIEDRA, S.L.

** Mortar for Joints recommended by ECOPIEDRA, S.L.

*** At www.ecopiedra.com, in Data Sheets, see the sound reduction improvement Index for different construction solutions.

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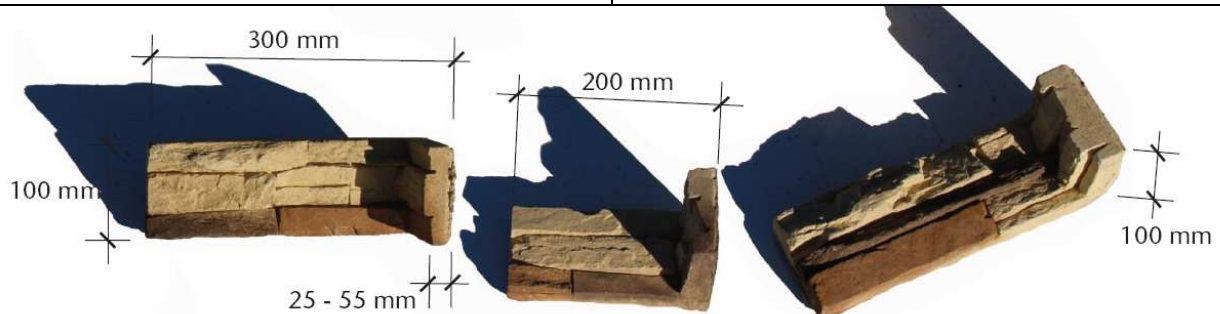
ECOPIEDRA, S.L.

IF-9/00



PRODUCT TECHNICAL DATA SHEET

| | |
|-------------------------------------|-----------------------------|
| TECHNICAL DATA SHEET NO.:: 10012108 | DATE: 12.06.2008 |
| MANUFACTURER: ECOPIEDRA, S.L | PRESENTATION: CAJA DE 1,5ml |
| CITY: LOECHES | |



| | |
|---------------------------|------------------------------|
| DESIGNATION OF THE MODEL: | LAJA MARRÓN ESQUINA INTERIOR |
| MASS COLOURING: | MARRÓN |
| THICKNESS: | Entre 25 y 55mm |
| NOMINAL DIMENSIONS: | 200 X 100 X 100mm |

| TECHNICAL CHARACTERISTICS | TEST METHOD | VALUES GUARANTEED BY THE MANUFACTURER | TOLERANCES |
|---|---------------------------------------|---------------------------------------|---------------------|
| Appearance and colour. | | | |
| Changes in design colour. | Visual | Not accepted | -- |
| Changes in design appearance of the face. | Visual | Not accepted | -- |
| Dimensional characteristics. | | | |
| Angle deviation. | UNE EN 14617-16 ECO-PE- 09 | 2,5 | ≤ 5,0mm |
| Side length (long). | UNE EN 14617-16 ECO-PE- 09 | 200,0 | ± 5mm |
| Side length (short). | UNE EN 14617-16 ECO-PE- 09 | 102,0 | ± 5mm |
| Corner piece width. | UNE EN 14617-16 ECO-PE- 09 | 96,0 | ± 5mm |
| Corner piece thickness. | UNE EN 14617-16 ECO-PE- 09 | 53,0 | ± 5mm |
| Physical Characteristics. | | | |
| Water absorption. | UNE EN 14617-1 | 10,0 | 10 ± 2 % |
| Apparent density. | UNE EN 14617-1 | 1800 | Kg/m ³ |
| Efflorescence*. | UNE 67029 ECO-PE-08 | Non - Efflorescent | -- |
| Mechanical characteristics. | | | |
| Durability (Frost susceptibility). | UNE EN 14617-5 | Non- Frost Susceptibility (NFS) | -- |
| Compressive strength. | UNE EN 1015-11 | 28,0 | ± 2 MPa |
| Flexural strength | UNE EN 1015-11 | 4,5 | ± 0,5 MPa |
| Thermal shock resistance. | UNE EN 14617-6 | No changes in appearance of the face | -- |
| Adherence*. | UNE EN 1348 | > 1,0 | ± 0,5 MPa |
| Adherence**. | UNE EN 1015-12 | No applicable | -- |
| TECHNICAL BUILDING CODE | | | |
| Fire resistance. | EN ISO 1716:02 EN ISO 1182:02 | CLASE A1* | CLASE A1* |
| Acoustic insulation. | EN 20140-10 | -- | -- |
| Acoustic insulation. | UNE EN ISO 140-3 UNE EN ISO 140-16 | 5 - 24 | dB |
| Thermal resistance (R) | | 0,05-0,10 | m ² .K/W |
| Thermal conductivity (λ) | UNE EN 12667:02 | 0,376 | W/m. K |
| Transmittance (U) | | 20,00-10,00 | W/m ² .K |

* Adhesive Cement recommended by ECOPIEDRA, S.L.

** Mortar for Joints recommended by ECOPIEDRA, S.L.

*** At www.ecopiedra.com, in Data Sheets, see the sound reduction improvement Index for different construction solutions.

Quality Department

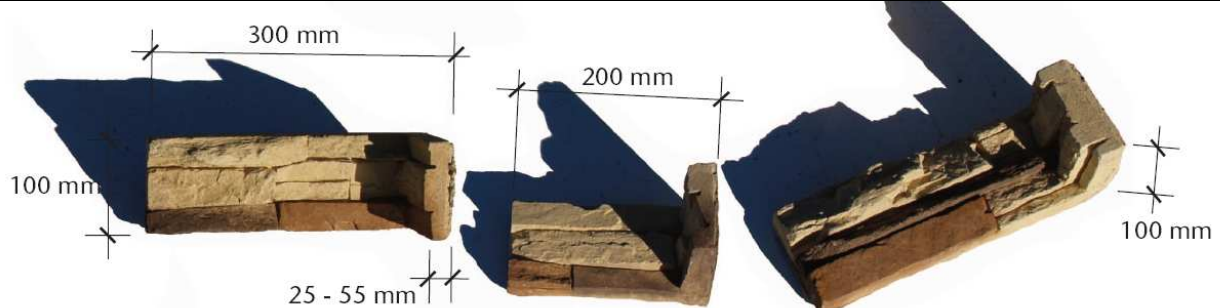
ECOPIEDRA, S.L.

IF-9/00



PRODUCT TECHNICAL DATA SHEET

| | |
|------------------------------------|-----------------------------|
| TECHNICAL DATA SHEET NO.: 10012108 | DATE: 12.06.2008 |
| MANUFACTURER: ECOPIEDRA, S.L | PRESENTATION: CAJA DE 1,5ml |
| CITY: LOECHES | |



| | |
|---------------------------|------------------------------|
| DESIGNATION OF THE MODEL: | LAJA MARRÓN ESQUINA INTERIOR |
| MASS COLOURING: | MARRÓN |
| THICKNESS: | Entre 25 y 55mm |
| NOMINAL DIMENSIONS: | 300 X 100 X 100mm |

| TECHNICAL CHARACTERISTICS | TEST METHOD | VALUES GUARANTEED BY THE MANUFACTURER | TOLERANCES |
|---|---------------------------------------|---------------------------------------|--|
| Appearance and colour. | | | |
| Changes in design colour. | Visual | Not accepted | -- |
| Changes in design appearance of the face. | Visual | Not accepted | -- |
| Dimensional characteristics. | | | |
| Angle deviation. | UNE EN 14617-16 ECO-PE- 09 | 3,1 | ≤ 5,0mm |
| Side length (long). | UNE EN 14617-16 ECO-PE- 09 | 300,0 | ± 5mm |
| Side length (short). | UNE EN 14617-16 ECO-PE- 09 | 102,0 | ± 5mm |
| Corner piece width. | UNE EN 14617-16 ECO-PE- 09 | 101,0 | ± 5mm |
| Corner piece thickness. | UNE EN 14617-16 ECO-PE- 09 | 53,0 | ± 5mm |
| Physical Characteristics. | | | |
| Water absorption. | UNE EN 14617-1 | 10,1 | 10 ± 2 % |
| Apparent density. | UNE EN 14617-1 | 1700 | Kg/m ³ |
| Efflorescence*. | UNE 67029 ECO-PE-08 | Non - Efflorescent | -- |
| Mechanical characteristics. | | | |
| Durability (Frost susceptibility). | UNE EN 14617-5 | Non- Frost Susceptibility (NFS) | -- |
| Compressive strength. | UNE EN 1015-11 | 28,0 | ± 2 MPa |
| Flexural strength | UNE EN 1015-11 | 4,5 | ± 0,5 MPa |
| Thermal shock resistance. | UNE EN 14617-6 | No changes in appearance of the face | -- |
| Adherence*. | UNE EN 1348 | > 1,0 | ± 0,5 MPa |
| Adherence**. | UNE EN 1015-12 | No applicable | -- |
| TECHNICAL BUILDING CODE | | | |
| Fire resistance. | EN ISO 1716:02 EN ISO 1182:02 | CLASE A1* | CLASE A1* |
| Acoustic insulation. | UNE EN ISO 140-3 UNE EN ISO 140-16 | 5 - 24 | dB |
| Thermal resistance (R) Thermal conductivity (λ) Transmittance (U) | UNE EN 12667:02 | 0,05-0,10 0,376 20,00-10,00 | m ² .K/W W/m. K W/m ² .K |

* Adhesive Cement recommended by ECOPIEDRA, S.L.

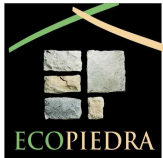
** Mortar for Joints recommended by ECOPIEDRA, S.L.

*** At www.ecopiedra.com, in Data Sheets, see the sound reduction improvement Index for different construction solutions.

Quality Department

IF-9/00

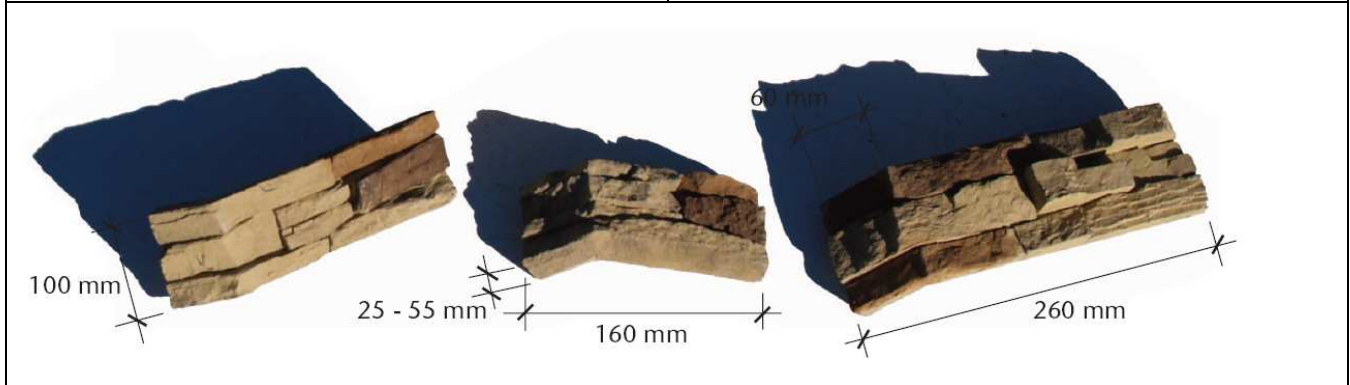
ECOPIEDRA, S.L.



PRODUCT TECHNICAL DATA SHEET



| | |
|------------------------------------|-----------------------------|
| TECHNICAL DATA SHEET NO.: 10012104 | DATE: 12.06.2008 |
| MANUFACTURER: ECOPIEDRA, S.L | PRESENTATION: CAJA DE 1,5ml |
| CITY: LOECHES | |



| | |
|---------------------------|--------------------------|
| DESIGNATION OF THE MODEL: | LAJA MARRÓN ESQUINA 135° |
| MASS COLOURING: | MARRÓN |
| THICKNESS: | Entre 25 y 55mm |
| NOMINAL DIMENSIONS: | 160 X 60 X 100mm |

| TECHNICAL CHARACTERISTICS | TEST METHOD | VALUES GUARANTEED BY THE MANUFACTURER | TOLERANCES |
|---|---------------------------------------|---------------------------------------|---------------------|
| Appearance and colour. | | | |
| Changes in design colour. | Visual | Not accepted | -- |
| Changes in design appearance of the face. | Visual | Not accepted | -- |
| Dimensional characteristics. | | | |
| Angle deviation. | UNE EN 14617-16 ECO-PE- 09 | 3,0 | ≤ 5,0mm |
| Side length (long). | UNE EN 14617-16 ECO-PE- 09 | 159,0 | ± 5mm |
| Side length (short). | UNE EN 14617-16 ECO-PE- 09 | 59,0 | ± 5mm |
| Corner piece width. | UNE EN 14617-16 ECO-PE- 09 | 100,0 | ± 5mm |
| Corner piece thickness. | UNE EN 14617-16 ECO-PE- 09 | 52,0 | ± 5mm |
| Physical Characteristics. | | | |
| Water absorption. | UNE EN 14617-1 | 10,1 | 10 ± 2 % |
| Apparent density. | UNE EN 14617-1 | 1700 | Kg/m ³ |
| Efflorescence*. | UNE 67029 ECO-PE-08 | Non - Efflorescent | -- |
| Mechanical characteristics. | | | |
| Durability (Frost susceptibility). | UNE EN 14617-5 | Non- Frost Susceptibility (NFS) | -- |
| Compressive strength. | UNE EN 1015-11 | 28,0 | ± 2 MPa |
| Flexural strength | UNE EN 1015-11 | 4,5 | ± 0,5 MPa |
| Thermal shock resistance. | UNE EN 14617-6 | No changes in appearance of the face | -- |
| Adherence*. | UNE EN 1348 | > 1,0 | ± 0,5 MPa |
| Adherence**. | UNE EN 1015-12 | No applicable | -- |
| TECHNICAL BUILDING CODE | | | |
| Fire resistance. | EN ISO 1716:02 EN ISO 1182:02 | CLASE A1* | CLASE A1* |
| Acoustic insulation. | UNE EN ISO 140-3 UNE EN ISO 140-16 | 5 - 24 | dB |
| Thermal resistance (R) | UNE EN 12667:02 | 0,05-0,10 | m ² .K/W |
| Thermal conductivity (λ) | | 0,376 | W/m. K |
| Transmittance (U) | | 20,00-10,00 | W/m ² .K |

* Adhesive Cement recommended by ECOPIEDRA, S.L.

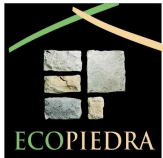
** Mortar for Joints recommended by ECOPIEDRA, S.L.

*** At www.ecopiedra.com, in Data Sheets, see the sound reduction improvement Index for different construction solutions.

Quality Department

IF-9/00

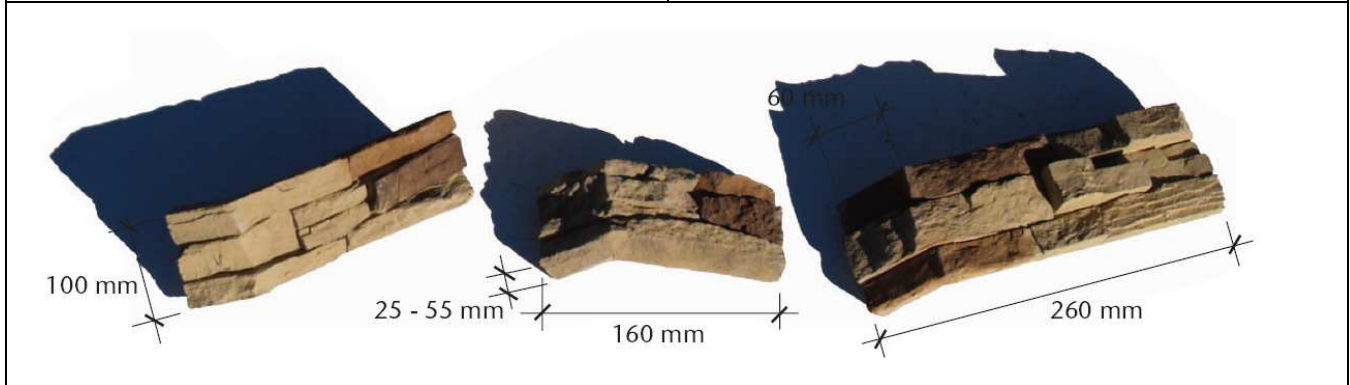
ECOPIEDRA, S.L.



PRODUCT TECHNICAL DATA SHEET



| | |
|------------------------------------|-----------------------------|
| TECHNICAL DATA SHEET NO.: 10012104 | DATE: 12.06.2008 |
| MANUFACTURER: ECOPIEDRA, S.L | PRESENTATION: CAJA DE 1,5ml |
| CITY: LOECHES | |



| | |
|---------------------------|--------------------------|
| DESIGNATION OF THE MODEL: | LAJA MARRÓN ESQUINA 135° |
| MASS COLOURING: | MARRÓN |
| THICKNESS: | Entre 25 y 55mm |
| NOMINAL DIMENSIONS: | 260 X 60 X 100mm |

| TECHNICAL CHARACTERISTICS | TEST METHOD | VALUES GUARANTEED BY THE MANUFACTURER | TOLERANCES |
|---|---------------------------------------|---------------------------------------|---------------------|
| Appearance and colour. | | | |
| Changes in design colour. | Visual | Not accepted | -- |
| Changes in design appearance of the face. | Visual | Not accepted | -- |
| Dimensional characteristics. | | | |
| Angle deviation. | UNE EN 14617-16 ECO-PE- 09 | 2,9 | ≤ 5,0mm |
| Side length (long). | UNE EN 14617-16 ECO-PE- 09 | 259,0 | ± 5mm |
| Side length (short). | UNE EN 14617-16 ECO-PE- 09 | 60,0 | ± 5mm |
| Corner piece width. | UNE EN 14617-16 ECO-PE- 09 | 100,0 | ± 5mm |
| Corner piece thickness. | UNE EN 14617-16 ECO-PE- 09 | 53,0 | ± 5mm |
| Physical Characteristics. | | | |
| Water absorption. | UNE EN 14617-1 | 10,2 | 10 ± 2 % |
| Apparent density. | UNE EN 14617-1 | 1800 | Kg/m ³ |
| Efflorescence*. | UNE 67029 ECO-PE-08 | Non - Efflorescent | -- |
| Mechanical characteristics. | | | |
| Durability (Frost susceptibility). | UNE EN 14617-5 | Non- Frost Susceptibility (NFS) | -- |
| Compressive strength. | UNE EN 1015-11 | 28,0 | ± 2 MPa |
| Flexural strength | UNE EN 1015-11 | 4,5 | ± 0,5 MPa |
| Thermal shock resistance. | UNE EN 14617-6 | No changes in appearance of the face | -- |
| Adherence*. | UNE EN 1348 | > 1,0 | ± 0,5 MPa |
| Adherence**. | UNE EN 1015-12 | No applicable | -- |
| TECHNICAL BUILDING CODE | | | |
| Fire resistance. | EN ISO 1716:02 EN ISO 1182:02 | CLASE A1* | CLASE A1* |
| Acoustic insulation. | UNE EN ISO 140-3 UNE EN ISO 140-16 | 5 - 24 | dB |
| Thermal resistance (R) | UNE EN 12667:02 | 0,05-0,10 | m ² .K/W |
| Thermal conductivity (λ) | | 0,376 | W/m. K |
| Transmittance (U) | | 20,00-10,00 | W/m ² .K |

* Adhesive Cement recommended by ECOPIEDRA, S.L.

** Mortar for Joints recommended by ECOPIEDRA, S.L.

*** At www.ecopiedra.com, in Data Sheets, see the sound reduction improvement Index for different construction solutions.

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IF-9/00

ECOPIEDRA, S.L.