

ACCOMPANIMENT DOCUMENT / DECLARATION OF CONFORMITY

Manufacturer: Solana de Forcadas

EN 12326-1:2004

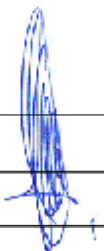
Comercial document number: 03001 **Issue date:** 13/11/2007

Comercial document issued by: Cupa Pizarras S.A.

Quarry or mine location: Solana de Forcadas. San Pedro de Trones. León (España)

This document establishes conformity of the product described above and becomes uncomplete without the explanation of the essay results and the requests of the EN 12326-1:2004 Norm. The essays to which it refers and the criteria are included in the EN 12326-1:2004 and :2-2000 Norm.

Sampling date: 29/05/2007					Essay date: 13/08/2007				
Product description and comercial name:	Slate for roofing and exterior cladding.Cupa 3					Conformity			
1 Dimensional tolerances									
Sizes	35x20 - 32x22 - 30x20 - 30x18 - 27x18 - 25x18 - 40x20 - 25x15								
Deviation of the declared lenght	Complies < ±5mms								
Deviation of the declared width	Complies < ±5mms								
Deviation of the orthogonality	Complies < ±1%								
Deviation of the edges linearity	Complies < 5mms & <=1% lenght								
Type of slate according to the flat surface	Very smooth	Smooth	Normal	Texturised					
Deviation of the planicidad			<1,5%						
2 Thickness									
Slate type for the calculation of the packaged slate thickness	Very smooth	Smooth	Normal	Texturised					
Nominal thickness and variation			3,5mm±25%						
3 Resistance									
MoR characteristic	Transverse	23 Mpa	Longitudinal	57 Mpa					
Medium load breakages	Transverse	347 N	Longitudinal	513 N					
4 Water absorption	0,21%								
5 Freeze thaw test	not required								
6 Thermic cycle essay	T1								
7 Carbonates content	0,4%								
8 Essays of SO2 exposure	≤ 20% en carbonates								S1
	> 20% en carbonates		Thickness of the softened layer				mm		
9 Contents of carbonate non carbonated	0,43%								
10 Exposure to the external fire	It is considered to comply								
11 Fire reaction	It is considered to comply with A1 class								
12 Dangerous substances emission	None in normal conditions of use as a roof o external cladding								DTOR. CALIDAI



ACCOMPANIMENT DOCUMENT / DECLARATION OF CONFORMITY

Manufacturer: Solana de Forcadas

EN 12326-1:2004

Comercial document number: 03002 **Issue date:** 13/11/2007

Comercial document issued by: Cupa Pizarras S.A.

Quarry or mine location: Solana de Forcadas. San Pedro de Trones. León (España)

This document establishes conformity of the product described above and becomes uncomplete without the explanation of the essay results and the requests of the EN 12326-1:2004 Norm. The essays to which it refers and the criteria are included in the EN 12326-1:2004 and :2-2000 Norm.

Sampling date: 29/05/2007 **Essay date:** 13/08/2007

Product description and comercial name: Slate for roofing and exterior cladding.Cupa 3 **Conformity**

1 Dimensional tolerances

Sizes 35x20 - 32x22 - 30x20 - 30x18 - 27x18 - 25x18 - 40x20 - 25x15

Deviation of the declared lenght Complies < ±5mms

Deviation of the declared width Complies < ±5mms

Deviation of the orthogonality Complies < ±1%

Deviation of the edges linearity Complies < 5mms & <=1% lenght

Type of slate according to the flat surface Very smooth Smooth Normal Texturised

Deviation of the planicidad <1,5%

2 Thickness

Slate type for the calculation of the packaged slate thickness Very smooth Smooth Normal Texturised

Nominal thickness and variation 3,5mm±25%

3 Resistance

MoR characteristic Transverse 23 Mpa Longitudinal 57 Mpa

Medium load breakages Transverse 347 N Longitudinal 513 N

4 Water absorption 0,21%

5 Freeze thaw test not required

6 Thermic cycle essay T1

7 Carbonates content 0,4%

8 Essays of SO2 exposure ≤ 20% en carbonates S1

> 20% en carbonates Thickness of the softened layer mm

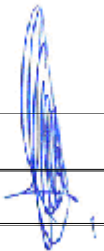
9 Contents of carbonate non carbonated 0,43%

10 Exposure to the external fire It is considered to comply

11 Fire reaction It is considered to comply with A1 class

12 Dangerous substances emission None in normal conditions of use as a roof o external cladding

DTOR. CALIDAI



ACCOMPANIMENT DOCUMENT / DECLARATION OF CONFORMITY

Manufacturer: Solana de Forcadas

EN 12326-1:2004

Comercial document number: 03003 **Issue date:** 13/11/2007

Comercial document issued by: Cupa Pizarras S.A.

Quarry or mine location: Solana de Forcadas. San Pedro de Trones. León (España)

This document establishes conformity of the product described above and becomes uncomplete without the explanation of the essay results and the requests of the EN 12326-1:2004 Norm. The essays to which it refers and the criteria are included in the EN 12326-1:2004 and :2-2000 Norm.

Sampling date: 29/05/2007 **Essay date:** 13/08/2007

Product description and comercial name: Slate for roofing and exterior cladding. Cupa 3 **Conformity**

1 Dimensional tolerances

Sizes 35x20 - 32x22 - 30x20 - 30x18 - 27x18 - 25x18 - 40x20 - 25x15

Deviation of the declared lenght Complies < ±5mms

Deviation of the declared width Complies < ±5mms

Deviation of the orthogonality Complies < ±1%

Deviation of the edges linearity Complies < 5mms & <=1% lenght

Type of slate according to the flat surface Very smooth Smooth Normal Texturised

Deviation of the planicidad <2%

2 Thickness

Slate type for the calculation of the packaged slate thickness Very smooth Smooth Normal Texturised

Nominal thickness and variation 3,5mm±35%

3 Resistance

MoR characteristic Transverse 23 Mpa Longitudinal 57 Mpa

Medium load breakages Transverse 347 N Longitudinal 513 N

4 Water absorption 0,21%

5 Freeze thaw test not required

6 Thermic cycle essay T1

7 Carbonates content 0,4%

8 Essays of SO2 exposure ≤ 20% en carbonates S1

> 20% en carbonates Thickness of the softened layer mm

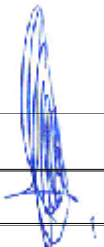
9 Contents of carbonate non carbonated 0,43%

10 Exposure to the external fire It is considered to comply

11 Fire reaction It is considered to comply with A1 class

12 Dangerous substances emission None in normal conditions of use as a roof o external cladding

DTOR. CALIDAI



ACCOMPANIMENT DOCUMENT / DECLARATION OF CONFORMITY

Manufacturer: Solana de Forcadas

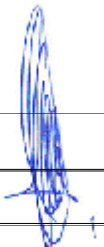
EN 12326-1:2004

Comercial document number: 03009	Issue date: 13/11/2007
Comercial document issued by: Cupa Pizarras S.A.	
Quarry or mine location: Solana de Forcadas. San Pedro de Trones. León (España)	

This document establishes conformity of the product described above and becomes uncomplete without the explanation of the essay results and the requests of the EN 12326-1:2004 Norm. The essays to which it refers and the criteria are included in the EN 12326-1:2004 and :2-2000 Norm.

Sampling date: 29/05/2007	Essay date: 13/08/2007								
Product description and comercial name:	Slate for roofing and exterior cladding. Cupa 3								
Conformity									
1 Dimensional tolerances									
Sizes	35x22								
Deviation of the declared lenght	Complies < ±5mms								
Deviation of the declared width	Complies < ±5mms								
Deviation of the orthogonality	Complies < ±1%								
Deviation of the edges linearity	Complies < 5mms & <=1% lenght								
Type of slate according to the flat surface	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Very smooth</td> <td style="width: 25%;">Smooth</td> <td style="width: 25%;">Normal</td> <td style="width: 25%;">Texturised</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;"><1,5%</td> <td></td> </tr> </table>	Very smooth	Smooth	Normal	Texturised			<1,5%	
Very smooth	Smooth	Normal	Texturised						
		<1,5%							
Deviation of the planicidad									
2 Thickness									
Slate type for the calculation of the packaged slate thickness	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Very smooth</td> <td style="width: 25%;">Smooth</td> <td style="width: 25%;">Normal</td> <td style="width: 25%;">Texturised</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">3,5mm±35%</td> <td></td> </tr> </table>	Very smooth	Smooth	Normal	Texturised			3,5mm±35%	
Very smooth	Smooth	Normal	Texturised						
		3,5mm±35%							
Nominal thickness and variation									
3 Resistance									
MoR characteristic	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Transverse</td> <td style="width: 25%;">23 Mpa</td> <td style="width: 25%;">Longitudinal</td> <td style="width: 25%;">57 Mpa</td> </tr> </table>	Transverse	23 Mpa	Longitudinal	57 Mpa				
Transverse	23 Mpa	Longitudinal	57 Mpa						
Medium load breakages	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Transverse</td> <td style="width: 25%;">347 N</td> <td style="width: 25%;">Longitudinal</td> <td style="width: 25%;">513 N</td> </tr> </table>	Transverse	347 N	Longitudinal	513 N				
Transverse	347 N	Longitudinal	513 N						
4 Water absorption	0,21%								
5 Freeze thaw test	not required								
6 Thermic cycle essay	T1								
7 Carbonates content	0,4%								
8 Essays of SO2 exposure	≤ 20% en carbonates	S1							
	> 20% en carbonates	Thickness of the softened layer mm							
9 Contents of carbonate non carbonated	0,43%								
10 Exposure to the external fire	It is considered to comply								
11 Fire reaction	It is considered to comply with A1 class								
12 Dangerous substances emission	None in normal conditions of use as a roof o external cladding								

DTOR. CALIDAI



ACCOMPANIMENT DOCUMENT / DECLARATION OF CONFORMITY

Manufacturer: Solana de Forcadas

EN 12326-1:2004

Comercial document number: 03007	Issue date: 03/03/2006
Comercial document issued by: Cupa Pizarras S.A.	
Quarry or mine location: Solana de Forcadas. San Pedro de Trones. León (España)	

This document establishes conformity of the product described above and becomes uncomplete without the explanation of the essay results and the requests of the EN 12326-1:2004 Norm. The essays to which it refers and the criteria are included in the EN 12326-1:2004 and :2-2000 Norm.

Sampling date: 08/06/2006	Essay date: 21/06/2006								
Product description and comercial name:	Slate for roofing and exterior cladding. Cupa 3								
1 Dimensional tolerances									
Sizes	32x22 - 30x20 - 30x18 - 27x18 - 25x18 - 40x20 - 25x15								
Deviation of the declared lenght	Complies < ±5mms								
Deviation of the declared width	Complies < ±5mms								
Deviation of the orthogonality	Complies < ±1%								
Deviation of the edges linearity	Complies < 5mms & <=1% lenght								
Type of slate according to the flat surface	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Very smooth</td> <td style="width: 25%;">Smooth</td> <td style="width: 25%;">Normal</td> <td style="width: 25%;">Texturised</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;"><1,5%</td> <td></td> </tr> </table>	Very smooth	Smooth	Normal	Texturised			<1,5%	
Very smooth	Smooth	Normal	Texturised						
		<1,5%							
Deviation of the planicidad									
2 Thickness									
Slate type for the calculation of the packaged slate thickness	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Very smooth</td> <td style="width: 25%;">Smooth</td> <td style="width: 25%;">Normal</td> <td style="width: 25%;">Texturised</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">5±35%</td> <td></td> </tr> </table>	Very smooth	Smooth	Normal	Texturised			5±35%	
Very smooth	Smooth	Normal	Texturised						
		5±35%							
Nominal thickness and variation									
3 Resistance									
MoR characteristic	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Transverse</td> <td style="width: 25%;">40 Mpa</td> <td style="width: 25%;">Longitudinal</td> <td style="width: 25%;">50 Mpa</td> </tr> </table>	Transverse	40 Mpa	Longitudinal	50 Mpa				
Transverse	40 Mpa	Longitudinal	50 Mpa						
Medium load breakages	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Transverse</td> <td style="width: 25%;">650 N</td> <td style="width: 25%;">Longitudinal</td> <td style="width: 25%;">802 N</td> </tr> </table>	Transverse	650 N	Longitudinal	802 N				
Transverse	650 N	Longitudinal	802 N						
4 Water absorption	0,22%								
5 Freeze thaw test	not required								
6 Thermic cycle essay	T1								
7 Carbonates content	0,3%								
8 Essays of SO2 exposure	≤ 20% en carbonates	S1							
	> 20% en carbonates	Thickness of the softened layer mm							
9 Contents of carbonate non carbonated	0,45%								
10 Exposure to the external fire	It is considered to comply								
11 Fire reaction	It is considered to comply with A1 class								
12 Dangerous substances emission	None in normal conditions of use as a roof o external cladding								

DTOR. CALIDAI

ACCOMPANIMENT DOCUMENT / DECLARATION OF CONFORMITY

Manufacturer: Solana de Forcadas

EN 12326-1:2004

Comercial document number: 03006	Issue date: 03/03/2006
Comercial document issued by: Cupa Pizarras S.A.	
Quarry or mine location: Solana de Forcadas. San Pedro de Trones. León (España)	

This document establishes conformity of the product described above and becomes uncomplete without the explanation of the essay results and the requests of the EN 12326-1:2004 Norm. The essays to which it refers and the criteria are included in the EN 12326-1:2004 and :2-2000 Norm.

Sampling date: 08/06/2006	Essay date: 21/06/2006								
Product description and comercial name:	Slate for roofing and exterior cladding.Cupa 3								
1 Dimensional tolerances									
Sizes	50x25								
Deviation of the declared lenght	Complies < ±5mms								
Deviation of the declared width	Complies < ±5mms								
Deviation of the orthogonality	Complies < ±1%								
Deviation of the edges linearity	Complies < 5mms & <=1% lenght								
Type of slate according to the flat surface	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Very smooth</td> <td style="width: 25%;">Smooth</td> <td style="width: 25%;">Normal</td> <td style="width: 25%;">Texturised</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;"><1,5%</td> <td></td> </tr> </table>	Very smooth	Smooth	Normal	Texturised			<1,5%	
Very smooth	Smooth	Normal	Texturised						
		<1,5%							
Deviation of the planicidad									
2 Thickness									
Slate type for the calculation of the packaged slate thickness	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Very smooth</td> <td style="width: 25%;">Smooth</td> <td style="width: 25%;">Normal</td> <td style="width: 25%;">Texturised</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">5±35%</td> <td></td> </tr> </table>	Very smooth	Smooth	Normal	Texturised			5±35%	
Very smooth	Smooth	Normal	Texturised						
		5±35%							
Nominal thickness and variation									
3 Resistance									
MoR characteristic	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Transverse</td> <td style="width: 25%;">40 Mpa</td> <td style="width: 25%;">Longitudinal</td> <td style="width: 25%;">50 Mpa</td> </tr> </table>	Transverse	40 Mpa	Longitudinal	50 Mpa				
Transverse	40 Mpa	Longitudinal	50 Mpa						
Medium load breakages	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Transverse</td> <td style="width: 25%;">650 N</td> <td style="width: 25%;">Longitudinal</td> <td style="width: 25%;">802 N</td> </tr> </table>	Transverse	650 N	Longitudinal	802 N				
Transverse	650 N	Longitudinal	802 N						
4 Water absorption	0,22%								
5 Freeze thaw test	not required								
6 Thermic cycle essay	T1								
7 Carbonates content	0,3%								
8 Essays of SO2 exposure	≤ 20% en carbonates	S1							
	> 20% en carbonates	Thickness of the softened layer mm							
9 Contents of carbonate non carbonated	0,45%								
10 Exposure to the external fire	It is considered to comply								
11 Fire reaction	It is considered to comply with A1 class								
12 Dangerous substances emission	None in normal conditions of use as a roof o external cladding								

DTOR. CALIDAI

ACCOMPANIMENT DOCUMENT / DECLARATION OF CONFORMITY

Manufacturer: Solana de Forcadas

EN 12326-1:2004

Comercial document number: 03008	Issue date: 03/03/2006
Comercial document issued by: Cupa Pizarras S.A.	
Quarry or mine location: Solana de Forcadas. San Pedro de Trones. León (España)	

This document establishes conformity of the product described above and becomes uncomplete without the explanation of the essay results and the requests of the EN 12326-1:2004 Norm. The essays to which it refers and the criteria are included in the EN 12326-1:2004 and :2-2000 Norm.

Sampling date: 08/06/2006	Essay date: 21/06/2006								
Product description and comercial name:	Slate for roofing and exterior cladding. Cupa 3								
1 Dimensional tolerances									
Sizes	50x45 - 50x30 - 30x30								
Deviation of the declared lenght	Complies < ±5mms								
Deviation of the declared width	Complies < ±5mms								
Deviation of the orthogonality	Complies < ±1%								
Deviation of the edges linearity	Complies < 5mms & <=1% lenght								
Type of slate according to the flat surface	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Very smooth</td> <td style="width: 25%;">Smooth</td> <td style="width: 25%;">Normal</td> <td style="width: 25%;">Texturised</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;"><1,5%</td> <td></td> </tr> </table>	Very smooth	Smooth	Normal	Texturised			<1,5%	
Very smooth	Smooth	Normal	Texturised						
		<1,5%							
Deviation of the planicidad									
2 Thickness									
Slate type for the calculation of the packaged slate thickness	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Very smooth</td> <td style="width: 25%;">Smooth</td> <td style="width: 25%;">Normal</td> <td style="width: 25%;">Texturised</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">7,65±35%</td> <td></td> </tr> </table>	Very smooth	Smooth	Normal	Texturised			7,65±35%	
Very smooth	Smooth	Normal	Texturised						
		7,65±35%							
Nominal thickness and variation									
3 Resistance									
MoR characteristic	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Transverse</td> <td style="width: 25%;">40 Mpa</td> <td style="width: 25%;">Longitudinal</td> <td style="width: 25%;">50 Mpa</td> </tr> </table>	Transverse	40 Mpa	Longitudinal	50 Mpa				
Transverse	40 Mpa	Longitudinal	50 Mpa						
Medium load breakages	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Transverse</td> <td style="width: 25%;">650 N</td> <td style="width: 25%;">Longitudinal</td> <td style="width: 25%;">802 N</td> </tr> </table>	Transverse	650 N	Longitudinal	802 N				
Transverse	650 N	Longitudinal	802 N						
4 Water absorption	0,22%								
5 Freeze thaw test	not required								
6 Thermic cycle essay	T1								
7 Carbonates content	0,3%								
8 Essays of SO2 exposure	≤ 20% en carbonates	S1							
	> 20% en carbonates	Thickness of the softened layer mm							
9 Contents of carbonate non carbonated	0,45%								
10 Exposure to the external fire	It is considered to comply								
11 Fire reaction	It is considered to comply with A1 class								
12 Dangerous substances emission	None in normal conditions of use as a roof o external cladding								

DTOR. CALIDAI

ACCOMPANIMENT DOCUMENT / DECLARATION OF CONFORMITY

Manufacturer: Solana de Forcadas

EN 12326-1:2004

Comercial document number: 03011 **Issue date:** 03/03/2006

Comercial document issued by: Cupa Pizarras S.A.

Quarry or mine location: Solana de Forcadas. San Pedro de Trones. León (España)

This document establishes conformity of the product described above and becomes uncomplete without the explanation of the essay results and the requests of the EN 12326-1:2004 Norm. The essays to which it refers and the criteria are included in the EN 12326-1:2004 and :2-2000 Norm.

Sampling date:	08/06/2006	Essay date:	21/06/2006		
Product description and comercial name:	Slate for roofing and exterior cladding.Cupa 3				Conformity
1 Dimensional tolerances					
Sizes	30x20 - 35x20 - 40x20 - 40x25 - 50x25 - 40x30 - 40x38 - 50x38 - 35x30				
Deviation of the declared lenght	Complies < ±5mms				
Deviation of the declared width	Complies < ±5mms				
Deviation of the orthogonality	Complies < ±1%				
Deviation of the edges linearity	Complies < 5mms & <=1% lenght				
Type of slate according to the flat surface	Very smooth	Smooth	Normal	Texturised	
Deviation of the planicidad		<1,5%			
2 Thickness					
Slate type for the calculation of the packaged slate thickness	Very smooth	Smooth	Normal	Texturised	
Nominal thickness and variation		7,65±25%			
3 Resistance					
MoR characteristic	Transverse	41 Mpa	Longitudinal	45 Mpa	
Medium load breakages	Transverse	1821 N	Longitudinal	2108 N	
4 Water absorption	0,22%				
5 Freeze thaw test	not required				
6 Thermic cycle essay	T1				
7 Carbonates content	0,3%				
8 Essays of SO2 exposure	≤ 20% en carbonates				S1
	> 20% en carbonates	Thickness of the softened layer		mm	
9 Contents of carbonate non carbonated	0,45%				
10 Exposure to the external fire	It is considered to comply				
11 Fire reaction	It is considered to comply with A1 class				
12 Dangerous substances emission	None in normal conditions of use as a roof o external cladding				DTOR. CALIDAI

