

ACCOMPANIMENT DOCUMENT / DECLARATION OF CONFORMITY

Manufacturer: *Ultransa*

EN 12326-1:2004

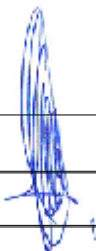
Comercial document number: *12001* Issue date: *03/03/2006*

Comercial document issued by: *Cupa Pizarras S.A.*

Quarry or mine location: *La Campa.Folgooso del Caurel. Lugo (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:	<i>23/03/2005</i>	Essay date:	<i>02/05/2005</i>
Product description and comercial name:	<i>Slate for roofing and exterior cladding.Cupa 12</i>		Conformity
1 Dimensional tolerances			
Sizes	<i>50x38 - 50x25 - 46x33 - 46x22 - 40x38 - 40x25 - 40x20 - 35x25 - 35x20 - 30x20 - 24x19 - 20x20 - 25x25 - 30x30 - 22x17 Schuppen - 50x30 - 40x30 - 50x45 - 30x19 Fitzschuppen - 60x30 - 40x40 - 60x45 - 60x35</i>		
Deviation of the declared lenght	<i>Complies < ±5mms</i>		
Deviation of the declared width	<i>Complies < ±5mms</i>		
Deviation of the orthogonality	<i>Complies < ±1%</i>		
Deviation of the edges linearity	<i>Complies < 5mms & <=1% lenght</i>		
Type of slate according to the flat surface	Very smooth	Smooth	Normal
Deviation of the planicidad	<i><1%</i>		
2 Thickness			
Slate type for the calculation of the packaged slate thickness	Very smooth	Smooth	Normal
Nominal thickness and variation	<i>5mm±35%</i>		
3 Resistance			
MoR characteristic	Transverse	<i>64 Mpa</i>	Longitudinal
Medium load breakages	Transverse	<i>473 N</i>	Longitudinal
4 Water absorption	<i>0,13%</i>		
5 Freeze thaw test	<i>not required</i>		
6 Thermic cycle essay	<i>T1</i>		
7 Carbonates content	<i>0,6%</i>		
8 Essays of SO2 exposure	<i>≤ 20% en carbonates</i>	<i>S1</i>	
	<i>> 20% en carbonates</i>	<i>Thickness of the softened layer</i>	<i>mm</i>
9 Contents of carbonate non carbonated	<i>0,15%</i>		
10 Exposure to the external fire	<i>It is considered to comply</i>		
11 Fire reaction	<i>It is considered to comply with A1 class</i>		
12 Dangerous substances emission	<i>None in normal conditions of use as a roof o external cladding</i>		DTOR. CALIDAI



ACCOMPANIMENT DOCUMENT / DECLARATION OF CONFORMITY

Manufacturer: *Ultransa*

EN 12326-1:2004

Comercial document number: *12002* Issue date: *03/03/2006*

Comercial document issued by: *Cupa Pizarras S.A.*

Quarry or mine location: *La Campa.Folgooso del Caurel. Lugo (España)*

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Sampling date: *23/03/2005* Essay date: *02/05/2005*

Product description and comercial name: *Slate for roofing and exterior cladding.Cupa 12* **Conformity**

1 Dimensional tolerances

Sizes *50x38 - 50x25 - 46x33 - 46x22 - 40x38 - 40x25 - 40x20 - 35x25 - 35x20 - 30x20 - 24x19 - 20x20 - 25x25 - 30x30 - 22x17 Schuppen - 50x30 - 40x30 - 50x45 - 30x19 Fitzschuppen - 60x30 - 40x40 - 60x45 - 60x35*

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 *5mm±35%*

3 Resistance

MoR characteristic **Transverse** *64 Mpa* **Longitudinal** *73 Mpa*

Medium load breakages **Transverse** *473 N* **Longitudinal** *629 N*

4 Water absorption *0,13%*

5 Freeze thaw test *not required*

6 Thermic cycle essay *T1*

7 Carbonates content *0,6%*

8 Essays of SO2 exposure
 ≤ 20% en carbonates *S1*
 > 20% en carbonates *Thickness of the softened layer mm*

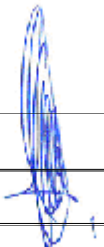
9 Contents of carbonate non carbonated *0,15%*

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: *Ultransa*

EN 12326-1:2004

Comercial document number: *12004* Issue date: *03/03/2006*

Comercial document issued by: *Cupa Pizarras S.A.*

Quarry or mine location: *La Campa.Folgooso del Caurel. Lugo (España)*

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Sampling date: *23/03/2005* Essay date: *02/05/2005*

Product description and comercial name: *Slate for roofing and exterior cladding.Cupa 12* **Conformity**

1 Dimensional tolerances

Sizes *50x38 - 50x25 - 46x33 - 46x22 - 40x38 - 40x25 - 40x20 - 35x25 - 35x20 - 30x20 - 24x19 - 20x20 - 25x25 - 30x30 - 22x17 Schuppen - 50x30 - 40x30 - 50x45 - 30x19 Fitzschuppen - 60x30 - 40x40 - 60x45 - 60x35*

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 *5mm±35%*

3 Resistance

MoR characteristic **Transverse** *64 Mpa* **Longitudinal** *73 Mpa*

Medium load breakages **Transverse** *473 N* **Longitudinal** *629 N*

4 Water absorption *0,13%*

5 Freeze thaw test *not required*

6 Thermic cycle essay *T1*

7 Carbonates content *0,6%*

8 Essays of SO2 exposure **≤ 20% en carbonates** *S1*

> 20% en carbonates *Thickness of the softened layer* *mm*

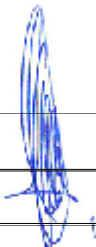
9 Contents of carbonate non carbonated *0,15%*

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*

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Manufacturer: *Ultransa*

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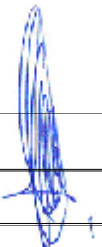
Comercial document number: *12006* Issue date: *03/03/2006*

Comercial document issued by: *Cupa Pizarras S.A.*

Quarry or mine location: *La Campa.Folgooso del Caurel. Lugo (España)*

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Sampling date:	<i>23/03/2005</i>	Essay date:	<i>02/05/2005</i>		
Product description and comercial name:	<i>Slate for roofing and exterior cladding.Cupa 12</i>				Conformity
1 Dimensional tolerances					
Sizes	<i>60x30 - 50x25 - 46x22 - 40x25 - 40x20 - 30x20</i>				
Deviation of the declared lenght					<i>Complies < ±5mms</i>
Deviation of the declared width					<i>Complies < ±5mms</i>
Deviation of the orthogonality					<i>Complies < ±1%</i>
Deviation of the edges linearity					<i>Complies < 5mms & <=1% lenght</i>
Type of slate according to the flat surface	Very smooth	Smooth	Normal	Texturised	
Deviation of the planicidad				<i><1,5%</i>	
2 Thickness					
Slate type for the calculation of the packaged slate thickness	Very smooth	Smooth	Normal	Texturised	
Nominal thickness and variation				<i>6mm±35%</i>	
3 Resistance					
MoR characteristic	Transverse	<i>64 Mpa</i>	Longitudinal	<i>73 Mpa</i>	
Medium load breakages	Transverse	<i>473 N</i>	Longitudinal	<i>629 N</i>	
4 Water absorption					<i>0,13%</i>
5 Freeze thaw test					<i>not required</i>
6 Thermic cycle essay					<i>T1</i>
7 Carbonates content					<i>0,6%</i>
8 Essays of SO2 exposure	≤ 20% en carbonates				<i>S1</i>
	> 20% en carbonates	<i>Thickness of the softened layer</i>			<i>mm</i>
9 Contents of carbonate non carbonated					<i>0,15%</i>
10 Exposure to the external fire					<i>It is considered to comply</i>
11 Fire reaction					<i>It is considered to comply with A1 class</i>
12 Dangerous substances emission	<i>None in normal conditions of use as a roof o external cladding</i>				DTOR. CALIDAI



ACCOMPANIMENT DOCUMENT / DECLARATION OF CONFORMITY

Manufacturer: *Ultransa*

EN 12326-1:2004

Comercial document number: *12008* Issue date: *03/03/2006*

Comercial document issued by: *Cupa Pizarras S.A.*

Quarry or mine location: *La Campa.Folgooso del Caurel. Lugo (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: *23/03/2005* Essay date: *02/05/2005*

Product description and comercial name: *Slate for roofing and exterior cladding.Cupa 12* **Conformity**

1 Dimensional tolerances

Sizes *60x30 - 50x25 - 46x22 - 40x25 - 40x20 - 30x20*

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
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Deviation of the planicidad			<2%	
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2 Thickness

Slate type for the calculation of the packaged slate thickness	Very smooth	Smooth	Normal	Texturised
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Nominal thickness and variation			6mm±35%	
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3 Resistance

MoR characteristic	Transverse	64 Mpa	Longitudinal	73 Mpa
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Medium load breakages	Transverse	473 N	Longitudinal	629 N
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4 Water absorption *0,13%*

5 Freeze thaw test *not required*

6 Thermic cycle essay *T1*

7 Carbonates content *0,6%*

8 Essays of SO2 exposure	≤ 20% en carbonates	
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	> 20% en carbonates	Thickness of the softened layer mm
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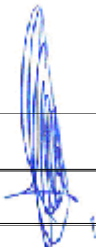
9 Contents of carbonate non carbonated *0,15%*

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*

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ACCOMPANIMENT DOCUMENT / DECLARATION OF CONFORMITY

Manufacturer: *Ultransa*

EN 12326-1:2004

Comercial document number: *12005* Issue date: *03/03/2006*

Comercial document issued by: *Cupa Pizarras S.A.*

Quarry or mine location: *La Campa.Folgooso del Caurel. Lugo (España)*

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Sampling date:	<i>23/03/2005</i>	Essay date:	<i>02/05/2005</i>		
Product description and comercial name:	<i>Slate for roofing and exterior cladding.Cupa 12</i>				Conformity
1 Dimensional tolerances					
Sizes	<i>60x30 - 50x25 - 46x22 - 40x25 - 40x20 - 30x20</i>				
Deviation of the declared lenght					<i>Complies < ±5mms</i>
Deviation of the declared width					<i>Complies < ±5mms</i>
Deviation of the orthogonality					<i>Complies < ±1%</i>
Deviation of the edges linearity					<i>Complies < 5mms & <=1% lenght</i>
Type of slate according to the flat surface	Very smooth	Smooth	Normal	Texturised	
Deviation of the planicidad		<i><1%</i>			
2 Thickness					
Slate type for the calculation of the packaged slate thickness	Very smooth	Smooth	Normal	Texturised	
Nominal thickness and variation		<i>6mm±35%</i>			
3 Resistance					
MoR characteristic	Transverse	<i>64 Mpa</i>	Longitudinal	<i>73 Mpa</i>	
Medium load breakages	Transverse	<i>473 N</i>	Longitudinal	<i>629 N</i>	
4 Water absorption					<i>0,13%</i>
5 Freeze thaw test					<i>not required</i>
6 Thermic cycle essay					<i>T1</i>
7 Carbonates content					<i>0,6%</i>
8 Essays of SO2 exposure	≤ 20% en carbonates				<i>S1</i>
	> 20% en carbonates	<i>Thickness of the softened layer</i>			<i>mm</i>
9 Contents of carbonate non carbonated					<i>0,15%</i>
10 Exposure to the external fire	<i>It is considered to comply</i>				
11 Fire reaction	<i>It is considered to comply with A1 class</i>				
12 Dangerous substances emission	<i>None in normal conditions of use as a roof o external cladding</i>				DTOR. CALIDAI

