



# TECHNICAL SHEET

**CUSTOMER:**  
**Order confirmation :**

**Rev00 09.06.08**

## PRODUCT:

### 1 Product definition

1.1 Aluminium alloy	EN-AW <b>3005</b> in accordance with EN 573/3
1.2 Metal thickness (mm)	<b>0.48</b>
1.3 Temper	<b>H48</b> in accordance with EN 573/3
1.4 Colour top side	AC <b>8804</b> in accordance with internal standard
1.5 Colour backing coat	AC <b>38F6</b> in accordance with internal standard
1.6 Paint top side	<b>Polyester</b>
1.7 Paint backing coat	<b>Polyester</b>
1.8 Width and Length (mm)	in accordance with order specifications
1.9 Metal Finish	<b>Brushed</b>

### 2 Metal specification

2.1 Mechanical properties after coating ( transverse to rolling direction)

Rm:	MPa	165 ÷ 215
Rp0,2:	MPa	135 min.
A50mm:	%	3 min

2.2 Tolerances on dimensions

Thickness: in accordance with EN 485/4

Width and Length: in accordance with EN 485/4

### 3 Pre-treatment

Degreasing and chromium free treatment on top and reverse side

### 4 Organic coating specification (EN 1396)

		<b>Top side</b>	<b>Backing coat</b>
4.1 Paint system		<b>8804/26</b>	<b>38F6/26</b>
4.2 Coating thickness	ECCAT1 µm	<b>16 (13 min)</b>	4 approx
4.3 Pencil hardness	ECCAT4 KOH-I-NOR	H	
4.4 Specular gloss to 60°	ECCAT2 units	min. 80	
4.5 Adhesion 90°/180°	%	100	
4.6 Adhesion on cross hatch+impact	%	100	100
4.7 Resistance To rapid deformation	ECCAT5 joule	32	
4.8 Resist. to craking on the bending	ECCAT7 n°T	<b>1.50</b>	
4.9 Top side colour difference	ECCAT3 DeltaE	N.V. in accordance with internal Standard Nr. <b>902 rev.000</b>	

### 5 Protective strippable film

5.1 Novelis code	A
5.2 Material	LDPE
5.3 Thickness	50 µm approx.
5.4 Colour	Trasparent

Note: this technical sheet is referring to the above mentioned order confirmation. Without reference to the order confirmation number, this technical sheet has to be considered for information only and could be submitted to revision.

**TCQ-Bresso**

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<b>CUSTOMER:</b>	
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<b>Order confirmation :</b>	
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<b>Rev00 09.06.08</b>
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**PRODUCT:****1 Product definition**

1.1 Aluminium alloy	EN-AW <b>1050A</b> in accordance with EN 573/3
1.2 Metal thickness (mm)	<b>0.48</b>
1.3 Temper	<b>H48</b> in accordance with EN 573/3
1.4 Colour top side	AC <b>38B6</b> in accordance with internal standard
1.5 Colour backing coat	AC <b>38F6</b> in accordance with internal standard
1.6 Paint top side	<b>Polyester</b>
1.7 Paint backing coat	<b>Polyester</b>
1.8 Width and Length (mm)	in accordance with order specifications
1.9 Metal Finish	<b>BF</b>

**2 Metal specification**

2.1 Mechanical properties after coating ( transverse to rolling direction)

Rm:	MPa	140 min.
Rp0,2:	MPa	120 min.
A50mm:	%	2 min

2.2 Tolerances on dimensions

Thickness: in accordance with EN 485/4

Width and Length: in accordance with EN 485/4

**3 Pre-treatment**

Degreasing and chromium free treatment on top and reverse side

**4 Organic coating specification (EN 1396)**

		<b>Top side</b>	<b>Backing coat</b>
4.1 Paint system		<b>38B6/26</b>	<b>38F6/26</b>
4.2 Coating thickness	ECCAT1    μm	<b>13 (11 min)</b>	4 approx
4.3 Pencil hardness	ECCAT4    KOH-I-NOR	H	
4.4 Specular gloss to 60°	ECCAT2    units	min. 80	
4.5 Adhesion 90°/180°		%	100
4.6 Adhesion on cross hatch+impact		%	100      100
4.7 Resistance To rapid deformation	ECCAT5    joule	32	
4.8 Resist. to craking on the bending	ECCAT7    n°T	<b>2.50</b>	
4.9 Top side colour difference	ECCAT3    DeltaE	N.V. in accordance with internal Standard Nr. <b>1400 rev.000</b>	

**5 Protective strippable film**

5.1 Novelis code	A
5.2 Material	LDPE
5.3 Thickness	50 μm approx.
5.4 Colour	Trasparent

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## PRODUCT:

### 1 Product definition

1.1 Aluminium alloy	EN-AW <b>1050A</b> in accordance with EN 573/3
1.2 Metal thickness (mm)	<b>0.48</b>
1.3 Temper	<b>H48</b> in accordance with EN 573/3
1.4 Colour top side	<b>AC 0816</b> in accordance with internal standard
1.5 Colour backing coat	<b>AC 38F6</b> in accordance with internal standard
1.6 Paint top side	<b>Polyester</b>
1.7 Paint backing coat	<b>Polyester</b>
1.8 Width and Length (mm)	in accordance with order specifications
1.9 Metal Finish	<b>BF</b>

### 2 Metal specification

2.1 Mechanical properties after coating ( transverse to rolling direction)

Rm:	MPa	140 min.
Rp0,2:	MPa	120 min.
A50mm:	%	2 min

2.2 Tolerances on dimensions

Thickness: in accordance with EN 485/4  
Width and Length: in accordance with EN 485/4

### 3 Pre-treatment

Degreasing and chromium free treatment on top and reverse side

### 4 Organic coating specification (EN 1396)

			<b>Top side</b>	<b>Backing coat</b>
4.1 Paint system			<b>0816/26</b>	<b>38F6/26</b>
4.2 Coating thickness	ECCAT1	µm	<b>13 (11 min)</b>	4 approx
4.3 Pencil hardness	ECCAT4	KOH-I-NOR	H	
4.4 Specular gloss to 60°	ECCAT2	units	min. 80	
4.5 Adhesion 90°/180°		%	100	
4.6 Adhesion on cross hatch+impact		%	100	100
4.7 Resistance To rapid deformation	ECCAT5	joule	32	
4.8 Resist. to craking on the bending	ECCAT7	n°T	<b>2.50</b>	
4.9 Top side colour difference	ECCAT3	DeltaE	N.V. in accordance with internal Standard Nr. <b>777 rev.000</b>	

### 5 Protective strippable film

5.1 Novelis code	A
5.2 Material	LDPE
5.3 Thickness	50 µm approx.
5.4 Colour	Trasparent

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**PRODUCT:****1 Product definition**

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1.2 Metal thickness (mm)	<b>0.48</b>
1.3 Temper	<b>H48</b> in accordance with EN 573/3
1.4 Colour top side	AC <b>7833</b> in accordance with internal standard
1.5 Colour backing coat	AC <b>38F6</b> in accordance with internal standard
1.6 Paint top side	<b>Polyester</b>
1.7 Paint backing coat	<b>Polyester</b>
1.8 Width and Length (mm)	in accordance with order specifications
1.9 Metal Finish	<b>Brushed</b>

**2 Metal specification**

2.1 Mechanical properties after coating ( transverse to rolling direction)

Rm:	MPa	165 ÷ 215
Rp0,2:	MPa	135 min.
A50mm:	%	3 min

2.2 Tolerances on dimensions

Thickness: in accordance with EN 485/4

Width and Length: in accordance with EN 485/4

**3 Pre-treatment**

Degreasing and chromium free treatment on top and reverse side

**4 Organic coating specification (EN 1396)**

			<b>Top side</b>	<b>Backing coat</b>
4.1 Paint system			<b>7833/26</b>	<b>38F6/26</b>
4.2 Coating thickness	ECCAT1	µm	<b>13 (11 min)</b>	4 approx
4.3 Pencil hardness	ECCAT4	KOH-I-NOR	H	
4.4 Specular gloss to 60°	ECCAT2	units	min. 80	
4.5 Adhesion 90°/180°		%	100	
4.6 Adhesion on cross hatch+impact		%	100	100
4.7 Resistance To rapid deformation	ECCAT5	joule	32	
4.8 Resist. to craking on the bending	ECCA7	n°T	<b>1.50</b>	
4.9 Top side colour difference	ECCAT3	DeltaE	N.V. in accordance with internal Standard Nr. <b>734 rev.000</b>	

**5 Protective strippable film**

5.1 Novelis code	A
5.2 Material	LDPE
5.3 Thickness	50 µm approx.
5.4 Colour	Trasparent

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