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## **Documentazione commerciale**

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# Attività Lastre di Acetato

## Condizioni di Vendita Mazzucchelli Italia

Decorrenza 1° Gennaio 2016

### 1. Articoli a catalogo

<b>Dimensioni nominali dei singoli items</b>	vedi Catalogo
<b>Tolleranze dimensioni</b>	vedi tolleranze articoli extra Catalogo*
<b>Finitura standard</b>	vedi articoli extra Catalogo
<b>Quantitativo minimo</b>	1 foglio / 1 banda

\* previo accordi, ci riserviamo la facoltà di fornire sottoformati.

### 2. Articoli extra catalogo

#### 1. BLOCCO

<b>Dimensioni nominali</b>	Foglio	600 x 1400 mm*	Tolleranze: Larghezza: +30/-60 mm Lunghezza: +30/-230 mm
	Banda**	170 x 1400 mm	Tolleranze: Larghezza: +10/-2 mm Lunghezza: +30/-260 mm
<b>Finitura standard</b>	RR		
<b>Quantitativo minimo</b>	150 kg		
	80 kg con 10% di sovrapprezzo		

\* previo accordi, ci riserviamo la facoltà di fornire sottoformati.

\*\* solo per "perla bugnata"

**2. INCOLLATI**

<b>Dimensioni nominali</b>	Foglio	600 x 1400 mm*	Tolleranze: Larghezza: +30/-80 mm Lunghezza: +30/-260 mm
	Banda	140 x 1400 mm*	Tolleranze: Larghezza: +5/-10 mm Lunghezza: +30/-260 mm
		150 x 1400 mm*	
		160 x 1400 mm*	
		170 x 1400 mm*	
	190 x 1400 mm*		
<b>Finitura standard</b>	TQ		
<b>Quantitativo minimo</b>	Prodotti su richiesta con semilavorati standard, max 5 strati	1 spessore: 15 kg 2 spessori: 25 kg	
		1 spessore: 1 foglio/ 3 bande con il 20% di sovrapprezzo	
	Prodotti su richiesta con semilavorati non standard, max 5 strati	da concordare	

\* previo accordi, ci riserviamo la facoltà di fornire sottoformati.

**3. SERIGRAFIA**

<b>Dimensioni nominali</b>	Foglio	600 x 1400 mm*	Tolleranze: Larghezza: +30/-80 mm Lunghezza: +30/-260 mm
	Banda	170 x 1400 mm*	Tolleranze: Larghezza: +5/-10 mm Lunghezza: +30/-260 mm
<b>Finitura standard</b>	TQ		
<b>Quantitativo minimo</b>	Utilizzando componenti standard per incollare la serigrafia	max 2 spessori: 10 fogli/30 bande	
		max 2 spessori: 5 fogli/15 bande con il 10% di sovrapprezzo	
	Utilizzando componenti non standard per incollare la serigrafia	da concordare	

\* previo accordi, ci riserviamo la facoltà di fornire sottoformati.

**4. PLOTTER (STAMPA IN QUADRICROMIA)**

<b>Dimensioni nominali</b>	Foglio	600 x 1400 mm*	Tolleranze: Larghezza: +30/-80 mm Lunghezza: +30/-260 mm
	Banda	170 x 1400 mm*	Tolleranze: Larghezza: +5/-10 mm Lunghezza: +30/-260 mm
<b>Finitura standard</b>	TQ		
<b>Quantitativo minimo</b>	Utilizzando componenti standard per incollare la serigrafia	1 spessore: 15 kg max 2 spessori: 25 kg	
	Utilizzando componenti non standard per incollare la serigrafia	1 spessore: 1 foglio/3 bande con il 20% di sovrapprezzo  da concordare	

\* previo accordi, ci riserviamo la facoltà di fornire sottoformati.

**5. ART PRINT (STAMPA QUALITÀ FOTOGRAFICA)**

<b>Dimensioni nominali</b>	Foglio	600 x 1400 mm*	Tolleranze: Larghezza: +30/-80 mm Lunghezza: +30/-260 mm
<b>Finitura standard</b>	TQ		
<b>Quantitativo minimo</b>	Utilizzando componenti standard per incollare la stampa	max 2 spessori: 5 fogli per colore	
	Utilizzando componenti non standard per incollare la stampa	da concordare	

\* previo accordi, ci riserviamo la facoltà di fornire sottoformati.

**6. ESTRUSI**

<b>Dimensioni nominali</b>	Foglio	600 x 1400 mm*	Tolleranze materiali non piallati: Larghezza: +35/-0 mm Lunghezza: +40/-0 mm Tolleranze materiali piallati: Larghezza: +30/-80 mm Lunghezza: +30/-260 mm
		140 x 1400 mm*	Tolleranze materiali non piallati: Larghezza: +5/-2 mm Lunghezza: +40/-0 mm Tolleranze materiali piallati: Larghezza: +15/-10 mm Lunghezza: +30/-260 mm
	150 x 1400 mm*		
	170 x 1400 mm*		
	210 x 1400 mm*		
	Banda	220 x 1400 mm*	
<b>Finitura standard</b>	TQ		
<b>Quantitativo minimo</b>	Estruso monocolore	Foglio	1 spessore: 80 kg 2 spessori: 120 kg
			1 spessore: 25 kg con il 10% di sovrapprezzo 2 spessori: 40 kg con il 10% di sovrapprezzo
		Banda	1 spessore: 50 kg 2 spessori: 70kg
			1 spessore: 15 kg con il 10% di sovrapprezzo 2 spessori: 25 kg con il 10% di sovrapprezzo
	Estruso a 2 colori	Foglio	Non producibile
		Banda	1 spessore: 50 kg 2 spessori: 70 kg
			1 spessore: 15 kg con il 10% di sovrapprezzo 2 spessori: 25 kg con il 10% di sovrapprezzo
		Estruso a 3 colori	Foglio
	Banda		1 spessore: 75 kg 2 spessori: 100 kg
			1 spessore: 25 kg con il 10% di sovrapprezzo 2 spessori: 40 kg con il 10% di sovrapprezzo
	Estruso a 4/5 colori		Foglio
		Banda	1 spessore: 100 kg 2 spessori: 130 kg 1 spessore: 35 kg con il 10% di sovrapprezzo 2 spessori: 55 kg con il 10% di sovrapprezzo

\* Altre dimensioni sono possibili tenendo conto del disegno e dell'attrezzatura di estrusione. Per altri prodotti estrusi non inclusi nel presente documento saranno di volta in volta concordati i quantitativi minimi.

### **3. Tolleranze di spessore previste per tutti gli articoli (salvo capitolati particolari)**

#### **Blocco**

Vedi Allegato I

#### **Estruso**

Vedi Allegato II

#### **Multistrati estrusi e incollati**

Vedi Allegato III

### **4. Tolleranze di peso sulle forniture**

#### **Articoli a catalogo**

+/-10% sul quantitativo ordinato

#### **Articoli extra catalogo**

+/-15% sul quantitativo ordinato



**Allegato I**
**Blocco (Tolleranze e Spessori)**

Spessori nominali /10mm	Tolleranze minime	Tolleranze massime
1,3	1,2	1,5
2	1,8	2,3
2,3	2,0	2,6
2,5	2,2	2,8
3	2,7	3,4
3,5	3,2	3,9
4	3,6	4,5
4,5	4,1	5,0
5	4,5	5,6
5,5	5,0	6,1
6	5,5	6,6
7	6,3	7,8
8	7,2	8,8
10	9,5	11,3
11	10,5	12,3
12	11,5	13,3
13	12,5	14,3
14	13,5	15,3
15	14,5	16,5
17	16,5	18,6
18	17,5	19,6
20	19,0	22,0
22	21,0	24,0
23	22,0	25,0
25	24,0	27,0
28	27,0	30,0
30	29,0	33,0
33	32,0	36,0
35	34,0	38,0
37	36,0	40,0
40	39,0	43,0
42	41,0	45,0
45	44,0	48,0

Spessori nominali /10mm	Tolleranze minime	Tolleranze massime
48	47,0	51,0
50	49,0	54,0
53	52,0	57,0
55	54,0	59,0
60	59,0	64,0
63	62,0	67,0
65	64,0	69,0
68	67,0	72,0
70	69,0	75,0
73	72,0	78,0
75	74,0	80,0
80	79,0	85,0
83	82,0	88,0
90	89,0	95,0
95	94,0	101,0
100	99,0	106,0

**Allegato II**
**Estruso (Tolleranze e Spessori)**

Spessori nominali /10mm	Tolleranze minime	Tolleranze massime
3	3,0	3,3
4	4,0	4,4
5	5,0	5,5
6	6,0	6,6
7	7,0	7,7
8	8,0	8,8
9	9,0	9,9
10	10,0	11,0
12	12,0	13,2
13	13,0	14,3
14	14,0	15,4
15	15,0	16,5
16	16,0	17,6
17	17,0	18,7
18	18,0	19,8
19	19,0	20,9
20	20,0	22,0
22	22,0	24,0
24	24,0	26,0
25	25,0	27,0
28	28,0	30,0
30	30,0	32,0
31	31,0	33,0
33	33,0	35,0

Spessori nominali /10mm	Tolleranze minime	Tolleranze massime
35	35,0	37,0
37	37,0	39,0
40	40,0	42,0
42	42,0	44,0
45	45,0	47,0
48	48,0	50,0
50	50,0	52,0
53	53,0	55,0
55	55,0	57,0
60	60,0	62,0
61	61,0	63,0
63	63,0	65,0
65	65,0	67,0
68	68,0	70,0
70	70,0	72,0
71	71,0	73,0
73	73,0	75,0
75	75,0	77,0
80	80,0	82,0
83	83,0	85,0
85	85,0	87,0
90	90,0	92,0
95	95,0	97,0
100	100,0	102,0

**Allegato III****Spessori lamine multistrati estrusi**

<b>Spessori nominali / 10mm</b>	<b>Tolleranze/10mm</b>
Da 5 a 10	-/+ 0,8
Da 11 a 20	-/+ 1
Da 21 a 115	-/+ 2

**Spessori finali incollati**

La tolleranza sullo spessore totale è la somma delle tolleranze dei singoli componenti (inclusi i semilavorati tecnici per l'incollaggio).

## Attività Lastre di Acetato

Condizioni di Vendita Mazzucchelli Asia

Produzione Hua Yi

Decorrenza 1° Marzo 2016

### 1. Articoli a catalogo

Prodotto	Quantitativo minimo
Estrusi	1 foglio / 1 banda
Incollati	1 foglio / 1 banda

### 2. Articoli extra catalogo

#### 1 ESTRUSI

<b>Dimensioni nominali</b>	Materiali non piallati	140 x 1400 mm*	Tolleranze: Larghezza: +5/-2 mm Lunghezza: +40/-0 mm	
		170 x 1400 mm*		
		210 x 1400 mm*		
	Materiali piallati	140 x 1400 mm*		Tolleranze: Larghezza: +5/-2 mm Lunghezza: +30/-230 mm
		170 x 1400 mm*		
		210 x 1400 mm*		
<b>Quantitativo minimo</b>	Pattern semplici	1 spessore: 30 kg 2 spessori: 50 kg		
		1 spessore: 15 kg con il 20% di sovrapprezzo 2 spessori: 25 kg con il 20% di sovrapprezzo		
	Pattern complicati	1 spessore: 50 kg 2 spessori: 80 kg		
		1 spessore: 25 kg con il 20% di sovrapprezzo 2 spessori: 40 kg con il 20% di sovrapprezzo		

\* È possibile fornire formati differenti in base al pattern e ai macchinari per l'estrusione.

**2 INCOLLATI**

<b>Dimensioni nominali</b>	170 x 1400 mm*	Tolleranze: Larghezza: +5/-10 mm Lunghezza: +30/-260 mm
	170 x 700 mm*	Tolleranze: Larghezza: +5/-10 mm Lunghezza: +30/-130 mm
	600 x 1400 mm*	Tolleranze: Larghezza: +30/-80 mm Lunghezza: +30/-260 mm
<b>Quantitativo minimo</b>	Prodotti su richiesta con semilavorati standard, max 5 strati	1 spessore: 15 kg 2 spessori: 25 kg
		1 spessore: 1 foglio/ 3 bande con il 20% di sovrapprezzo
	Prodotti su richiesta con semilavorati non standard, max 5 strati	da concordare

\* previo accordi, ci riserviamo la facoltà di fornire sottoformati.

**3. SERIGRAFIA (CON PATTERN GIA' DISPONIBILI O AD HOC)**

<b>Dimensioni nominali</b>	170 x 1400 mm*	Tolleranze: Larghezza: +5/-10 mm Lunghezza: +30/-260 mm
	170 x 700 mm*	Tolleranze: Larghezza: +5/-10 mm Lunghezza: +30/-130 mm
	600 x 1400 mm*	Tolleranze: Larghezza: +30/-80 mm Lunghezza: +30/-260 mm
<b>Quantitativo minimo</b>	Utilizzando componenti standard per incollare la serigrafia	1 spessore: 30 kg 2 spessori: 50 kg
		1 spessore: 15 kg con il 20% di sovrapprezzo 2 spessori: 25 kg con il 20% di sovrapprezzo
	Utilizzando componenti non standard per incollare la serigrafia	da concordare

\* previo accordi, ci riserviamo la facoltà di fornire sottoformati.

**4 TECBLOCK/CEBLOX**

<b>Dimensioni nominali</b>	320 x 360 mm*	Tolleranze: Larghezza: +5/-5 mm Lunghezza: +5/-5 mm
	310 x 350 mm* (Tecblock/Ceblox incollato)	Tolleranze: Larghezza: +5/-10 mm Lunghezza: +5/-10 mm
<b>Quantitativo minimo</b>	Pattern semplici	1 spessore: 30 kg 2 spessori: 50 kg
	Pattern complicati	1 spessore: 50 kg 2 spessori: 80 kg

\* previo accordi, ci riserviamo la facoltà di fornire sottoformati.

**3. Tolleranze di spessore previste per tutti gli articoli (salvo capitolati particolari)****Blocco**

Vedi Allegato I

**Estruso e Tecblock/Ceblox**

Vedi Allegato II

**Multistrati estrusi e incollati**

Vedi Allegato III

**4. Tolleranze di peso sulle forniture****Articoli a catalogo**

+/-10% sul quantitativo ordinato

**Articoli extra catalogo**

+/-15% sul quantitativo ordinato

**Allegato I**
**Blocco (Tolleranze e Spessori)**

Spessori nominali /10mm	Tolleranze minime	Tolleranze massime
1,3	1,2	1,5
2	1,8	2,3
2,3	2,0	2,6
2,5	2,2	2,8
3	2,7	3,4
3,5	3,2	3,9
4	3,6	4,5
4,3	4,2	4,8
4,5	4,1	5,0
5	4,5	5,6
5,5	5,0	6,1
6	5,5	6,6
7	6,3	7,8
8	7,2	8,8
10	9,5	11,3
11	10,5	12,3
12	11,5	13,3
13	12,5	14,3
14	13,5	15,3
15	14,5	16,5
17	16,5	18,6
18	17,5	19,6
20	19,0	22,0
22	21,0	24,0
23	22,0	25,0
25	24,0	27,0
28	27,0	30,0
30	29,0	33,0
33	32,0	36,0
35	34,0	38,0
37	36,0	40,0
40	39,0	43,0

Spessori nominali /10mm	Tolleranze minime	Tolleranze massime
42	41,0	45,0
45	44,0	48,0
48	47,0	51,0
50	49,0	54,0
53	52,0	57,0
55	54,0	59,0
60	59,0	64,0
63	62,0	67,0
65	64,0	69,0
68	67,0	72,0
70	69,0	75,0
73	72,0	78,0
75	74,0	80,0
80	79,0	85,0
83	82,0	88,0
90	89,0	95,0
95	94,0	101,0
100	99,0	106,0

**Allegato II**
**Estruso (Tolleranze e Spessori)**

Spessori nominali /10mm	Tolleranze minime	Tolleranze massime	Spessori nominali /10mm	Tolleranze minime	Tolleranze massime
3	3,0	3,3	35	35,0	37,0
4	4,0	4,4	37	37,0	39,0
5	5,0	5,5	40	40,0	42,0
6	6,0	6,6	42	42,0	44,0
7	7,0	7,7	45	45,0	47,0
8	8,0	8,8	48	48,0	50,0
9	9,0	9,9	50	50,0	52,0
10	10,0	11,0	53	53,0	55,0
12	12,0	13,2	55	55,0	57,0
13	13,0	14,3	60	60,0	62,0
14	14,0	15,4	61	61,0	63,0
15	15,0	16,5	63	63,0	65,0
16	16,0	17,6	65	65,0	67,0
17	17,0	18,7	68	68,0	70,0
18	18,0	19,8	70	70,0	72,0
19	19,0	20,9	71	71,0	73,0
20	20,0	22,0	73	73,0	75,0
22	22,0	24,0	75	75,0	77,0
24	24,0	26,0	80	80,0	82,0
25	25,0	27,0	83	83,0	85,0
28	28,0	30,0	85	85,0	87,0
30	30,0	32,0	90	90,0	92,0
31	31,0	33,0	95	95,0	97,0
33	33,0	35,0	100	100,0	102,0



**Allegato III****Spessori lamine multistrati estrusi**

<b>Spessori nominali / 10mm</b>	<b>tolleranze/10mm</b>
Da 5 a 10	-/+ 0,8
Da 11 a 20	-/+ 1
Da 21 a 115	-/+ 2

**Spessori finali incollati**

La tolleranza sullo spessore totale è la somma delle tolleranze dei singoli componenti (inclusi i semilavorati tecnici per l'incollaggio).

## Attività Lastre di Acetato

Condizioni di Vendita Mazzucchelli Asia

Produzione Shanghai Da Shen

Decorrenza 1° Gennaio 2016

### 1. Articoli a catalogo

Prodotto	Quantitativo minimo
Basic/Trend	1 foglio

### 2. Articoli extra catalogo

<b>Dimensioni nominali</b>	600 x 1400 mm*	Tolleranze: Larghezza: +30/-60 mm Lunghezza: +30/-230 mm
<b>Quantitativo minimo</b>	Montaggio semplice	150 kg
		80 kg con il 20% di sovrapprezzo
<b>Quantitativo minimo</b>	Montaggio complicato	150 kg
		80 kg con il 20% di sovrapprezzo

\* previo accordi, ci riserviamo la facoltà di fornire sottoformati.

### 3. Tolleranze di peso sulle forniture

#### Articoli a catalogo

+/-10% sul quantitativo ordinato

#### Articoli extra catalogo

+/-15% sul quantitativo ordinato

**4. Tolleranze di spessore**

Spessori nominali /10mm	Tolleranze minime	Tolleranze massime	Spessori nominali /10mm	Tolleranze minime	Tolleranze massime
1,3	1,2	1,5	50	49,0	54,0
2	1,8	2,3	53	52,0	57,0
2,3	2,0	2,6	55	54,0	59,0
2,5	2,2	2,8	60	59,0	64,0
3	2,7	3,4	63	62,0	67,0
3,5	3,2	3,9	65	64,0	69,0
4	3,6	4,5	68	67,0	72,0
4,3	4,2	4,8	70	69,0	75,0
4,5	4,1	5,0	73	72,0	78,0
5	4,5	5,6	75	74,0	80,0
5,5	5,0	6,1	80	79,0	85,0
6	5,5	6,6	83	82,0	88,0
7	6,3	7,8	90	89,0	95,0
8	7,2	8,8	95	94,0	101,0
10	9,5	11,3	100	99,0	106,0
11	10,5	12,3			
12	11,5	13,3			
13	12,5	14,3			
14	13,5	15,3			
15	14,5	16,5			
17	16,5	18,6			
18	17,5	19,6			
20	19,0	22,0			
22	21,0	24,0			
23	22,0	25,0			
25	24,0	27,0			
28	27,0	30,0			
30	29,0	33,0			
33	32,0	36,0			
35	34,0	38,0			
37	36,0	40,0			
40	39,0	43,0			
42	41,0	45,0			
45	44,0	48,0			
48	47,0	51,0			

**Dati tecnici delle lastre di acetato di cellulosa**

CARATTERISTICHE	METODO DI RIFERIMENTO		UNITA' S.I.	VALORI
<b>Fisiche</b>				
Massa Volumica	ASTM D 792		gr/cm <sup>3</sup>	1,28 - 1,32
Indice di rifrazione	ASTM D 542			1,49 - 1,50
Assorbimento acqua	ASTM D 570	24h, 3,2 mm	%	2,0 - 2,5
Perdita in peso	ASTM D 570	24h, 3,2 mm	%	0,3 - 0,6
Stabilità dimensionale	ASTM D 1204		%	< 2
<b>Meccaniche</b>				
Resistenza a snervamento	ASTM D 638		MPa	25-35
Allungamento a snervamento	ASTM D 638		%	3-5
Resistenza a rottura	ASTM D 638		MPa	35-45
Allungamento a rottura	ASTM D 638		%	20 - 40
Modulo elastico in flessione	ASTM D 790		MPa	1300 - 2000
Resistenza all'urto Izod	ASTM D 256 - ISO 180	Con intaglio	kJ/m <sup>2</sup>	4 - 12
Resistenza all'urto Charpy	ISO 179	Senza intaglio	kJ/m <sup>2</sup>	50 - 150
Durezza Rockwell	ASTM D 785		-	75 - 100
<b>Termiche</b>				
Temperatura Vicat	ASTM D 1525B	Olio, 10 N	°C	90 - 100
Conducibilità termica	ASTM C 177		W · m <sup>-1</sup> · K <sup>-1</sup>	0,2 - 0,3
Coefficiente di dilatazione termica	ASTM D 696	lineare	10 <sup>-5</sup> K <sup>-1</sup>	10 - 15
Velocità di combustione	ASTMD 635	spess. 3 mm	mm/s	0,1 - 0,2
<b>Elettriche</b>				
Resistività elettrica di volume	ASTM D 257		Ω · cm	10
Rigidità dielettrica	ASTM D 149		kV/mm	10 - 12

I valori indicati sono caratteristici del polimero e da considerarsi indicativi. Detti valori possono variare in base alla tipologia di struttura, alla colorazione, alle condizioni di processo utilizzate e allo spessore. Per queste ragioni i prodotti devono essere testati in relazione all'applicazione cui sono destinati.

## **Commercial Data Sheets**

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# Acetate Sheets

## Mazzucchelli Italy sales conditions

Valid from January 1st, 2016

### 1. Colours in our catalog

<b>Single items' nominal sizes</b>	see current Catalog
<b>Dimensions tolerances</b>	see tolerances for the "extra Catalog colours"*
<b>Standard finish</b>	see "extra Catalog colours"
<b>Minimum quantity</b>	1 sheet / 1 strip

\* subject to agreement, we reserve the right to supply in subsizes.

### 2. Extra catalog colours

#### 1. BLOCK

<b>Nominal sizes</b>	Sheet	600 x 1400 mms*	Tolerances: Width: +10/-2 mms Length: +30/-260 mms
	Strip**	170 x 1400 mms	Tolerances: Width: +30/-60 mms Length: +30/-230 mms
<b>Standard finish</b>	RR		
<b>Minimum quantity</b>	150 kgs		
	80 kgs with 10% price surcharge		

\* subject to agreement, we reserve the right to supply in subsizes.

\*\* for ashlar pearl only

**2. LAMINATIONS**

<b>Nominal sizes</b>	Sheet	600 x 1400 mms*	Tolerances: Width: +30/-80 mms Length: +30/-260 mms
	Strip	140 x 1400 mms*	Tolerances: Width: +5/-10 mms Length: +30/-260 mms
		150 x 1400 mms*	
		160 x 1400 mms*	
		170 x 1400 mms*	
	190 x 1400 mms*		
<b>Standard finish</b>	TQ		
<b>Minimum quantity</b>	Custom made products using standard components, max 5 layers	1 thickness: 15 Kgs 2 thicknesses: 25 Kgs	
		1 thickness: 1 sheet / 3 strips with 20% price surcharge	
	Custom made products using non-standard components, max 5 layers	to be agreed upon	

\* subject to agreement, we reserve the right to supply in subsizes.

**3. SILKSCREEN PRINTS**

<b>Nominal sizes</b>	Sheet	600 x 1400 mms*	Tolerances: Width: +30/-80 mms Length: +30/-260 mms
	Strip	170 x 1400 mms*	Tolerances: Width: +5/-10 mms Length: +30/-260 mms
<b>Standard finish</b>	TQ		
<b>Minimum quantity</b>	If using standard components for laminating the print	max 2 thicknesses: 10 sheets / 30 strips	
		max 2 thicknesses: 5 sheets / 15 strips with 10% price surcharge	
	If using non-standard components for laminating the print	to be agreed upon	



\* subject to agreement, we reserve the right to supply in subsizes.

#### 4. PLOTTER (PRINT IN FOUR-COLORS-PROCESS)

<b>Nominal sizes</b>	Sheet	600 x 1400 mms*	Tolerances: Width: +30/-80 mms Length: +30/-260 mms
	Strip	170 x 1400 mms*	Tolerances: Width: +5/-10 mms Length: +30/-260 mms
<b>Standard finish</b>	TQ		
<b>Minimum quantity</b>	If using standard components for laminating the print	1 thickness: 15 kgs max 2 thicknesses: 25 kgs	
		1 thickness: 1 sheet / 3 strips with 20% price surcharge	
	If using non-standard components for laminating the print	to be agreed upon	

\* subject to agreement, we reserve the right to supply in subsizes.

#### 5. ART PRINT (PHOTO QUALITY PRINT)

<b>Nominal sizes</b>	Sheet	600 x 1400 mms*	Tolerances: Width : +30/-80 mms Length: +30/-260 mms
<b>Standard finish</b>	TQ		
<b>Minimum quantity</b>	If using standard components for laminating the print	5 sheets per colour in max 2 thicknesses	
	If using non-standard components for laminating the print	to be agreed upon	

\* subject to agreement, we reserve the right to supply in subsizes.

**6. EXTRUDED PRODUCTS**

<b>Nominal sizes</b>	Sheet	600 x 1400 mms*	Tolerances for unplanned materials: Width: +35/-0 mm Length: +40/-0 mm Tolerances for planed materials: Width: +30/-80 mms Length: +30/-260 mms
	Strip	140 x 1400 mms*	Tolerances for unplanned materials: Width: +5/-2 mms Length: +40/-0 mms Tolerances for planed materials: Width: +15/-10 mms Length: +30/-260 mms
		150 x 1400 mms*	
		170 x 1400 mms*	
		210x 1400 mms*	
		220 x 1400 mms*	
<b>Standard finish</b>	TQ		
<b>Minimum quantity</b>	Monocolour	Sheet	1 thickness: 80 kgs 2 thicknesses: 120 kgs
			1 thickness: 25 kgs with 10% price surcharge 2 thicknesses: 40 kgs with 10% price surcharge
		Strip	1 thickness: 50 kgs 2 thicknesses: 70kgs
			1 thickness: 15 kgs with 10% price surcharge 2 thicknesses: 25 kgs with 10% price surcharge
	2 Colours	Sheet	not producible
		Strip	1 thickness: 50 kgs 2 thicknesses: 70kgs
			1 thickness: 15 kgs with 10% price surcharge 2 thicknesses: 25 kgs with 10% price surcharge
		Sheet	not producible
	3 Colours	Strip	1 thickness: 75 kgs 2 thicknesses: 100 kgs
			1 thickness: 25 kgs with 10% price surcharge 2 thicknesses: 40 kgs with 10% price surcharge
	4/5 Colours	Sheet	not producible
		Strip	1 thickness: 100 kgs 2 thicknesses: 130 kgs
1 thickness: 35 kgs with 10% price surcharge 2 thicknesses: 55 kgs with 10% price surcharge			

\* Other sizes are possible depending from the pattern and extrusion equipment. For extruded colours not covered by these conditions the minimum quantity must be confirmed by us.

### **3. Thickness tolerances for all products (except for particular specifications)**

#### **Block**

See Appendix I

#### **Extrusion**

See Appendix II

#### **Extruded multilayers and laminations**

See Appendix III

### **4. Weight tolerances for the shipment**

#### **Catalog items**

+/-10% on the ordered quantity

#### **Extra catalog items**

+/-15% on the ordered quantity

**Appendix I**
**Block (Thicknesses and tolerances)**

Nominal thicknesses /10mm	Minimum tolerances	Maximum tolerances
1.3	1.2	1.5
2	1.8	2.3
2.3	2.0	2.6
2.5	2.2	2.8
3	2.7	3.4
3.5	3.2	3.9
4	3.6	4.5
4.5	4.1	5.0
5	4.5	5.6
5.5	5.0	6.1
6	5.5	6.6
7	6.3	7.8
8	7.2	8.8
10	9.5	11.3
11	10.5	12.3
12	11.5	13.3
13	12.5	14.3
14	13.5	15.3
15	14.5	16.5
17	16.5	18.6
18	17.5	19.6
20	19.0	22.0
22	21.0	24.0
23	22.0	25.0
25	24.0	27.0
28	27.0	30.0
30	29.0	33.0
33	32.0	36.0
35	34.0	38.0
37	36.0	40.0
40	39.0	43.0
42	41.0	45.0
45	44.0	48.0

Nominal thicknesses /10mm	Minimum tolerances	Maximum tolerances
48	47.0	51.0
50	49.0	54.0
53	52.0	57.0
55	54.0	59.0
60	59.0	64.0
63	62.0	67.0
65	64.0	69.0
68	67.0	72.0
70	69.0	75.0
73	72.0	78.0
75	74.0	80.0
80	79.0	85.0
83	82.0	88.0
90	89.0	95.0
95	94.0	101.0
100	99.0	106.0

**Appendix II**
**Extrusion (Thicknesses and tolerances)**

Nominal thicknesses /10mm	Minimum tolerances	Maximum tolerances
3	3.0	3.3
4	4.0	4.4
5	5.0	5.5
6	6.0	6.6
7	7.0	7.7
8	8.0	8.8
9	9.0	9.9
10	10.0	11.0
12	12.0	13.2
13	13.0	14.3
14	14.0	15.4
15	15.0	16.5
16	16.0	17.6
17	17.0	18.7
18	18.0	19.8
19	19.0	20.9
20	20.0	22.0
22	22.0	24.0
24	24.0	26.0
25	25.0	27.0
28	28.0	30.0
30	30.0	32.0
31	31.0	33.0
33	33.0	35.0

Nominal thicknesses /10mm	Minimum tolerances	Maximum tolerances
35	35.0	37.0
37	37.0	39.0
40	40.0	42.0
42	42.0	44.0
45	45.0	47.0
48	48.0	50.0
50	50.0	52.0
53	53.0	55.0
55	55.0	57.0
60	60.0	62.0
61	61.0	63.0
63	63.0	65.0
65	65.0	67.0
68	68.0	70.0
70	70.0	72.0
71	71.0	73.0
73	73.0	75.0
75	75.0	77.0
80	80.0	82.0
83	83.0	85.0
85	85.0	87.0
90	90.0	92.0
95	95.0	97.0
100	100.0	102.0

**Appendix III****Thickness of layers for extruded materials**

<b>Nominal thickness / 10mms</b>	<b>Tolerances /10mms</b>
From 5 to 10	-/+ 0,8
From 11 to 20	-/+ 1
From 21 to 115	-/+ 2

**Final thicknesses for laminations**

The tolerance of the total thickness is the sum of the tolerances of each single components (included the technical semi-finished glueing layers).

# Acetate Sheets

Mazzucchelli Asia sales conditions

Hua Yi production

Valid from March 1<sup>st</sup>, 2016

## 1. Colours in our catalog

Products	Minimum quantity
Extrusion	1 sheet / 1 strip
Lamination	1 sheet / 1 strip

## 2. Extra catalog colours

### 1 EXTRUSION

<b>Nominal sizes</b>	Unplanned materials	140 x 1400 mms*	Tolerances for unplanned materials: Width: +5/-2 mms Length: +40/-0 mms
		170 x 1400 mms*	
		210 x 1400 mms*	
	Planned materials	140 x 1400 mms*	Tolerances for planned materials: Width: +5/-2 mms Length: +30/-230 mms
		170 x 1400 mms*	
		210 x 1400 mms*	
<b>Minimum quantity</b>	Regular patterns	1 thickness: 30 kgs 2 thicknesses: 50 kgs	
		1 thickness: 15 kgs with 20% price surcharge 2 thicknesses: 25 kgs with 20% price surcharge	
	Complicated patterns	1 thickness: 50 kgs 2 thicknesses: 80 kgs	
		1 thickness: 25 kgs with 20% price surcharge 2 thicknesses: 40 kgs with 20% price surcharge	

\* Other sizes are possible depending from the pattern and extrusion equipment.

**2. LAMINATIONS**

<b>Nominal sizes</b>	170 x 1400 mms*	Tolerances: Width: +5/-10 mms Length: +30/-260 mms
	170 x 700 mms*	Tolerances: Width: +5/-10 mms Length: +30/-130 mms
	600 x 1400 mms*	Tolerances: Width: +30/-80 mms Length: +30/-260 mms
<b>Minimum quantity</b>	Custom made products using standard components, max 5 layers	1 thickness: 15 kgs 2 thicknesses: 25 kgs
		1 thickness: 1 sheet / 3 strips with 20% price surcharge
	Custom made products using non-standard components, max 5 layers	to be agreed upon

\* subject to agreement, we reserve the right to supply in subsizes

**3. SILKSCREEN PRINT (with available or custom design)**

<b>Nominal sizes</b>	170 x 1400 mms*	Tolerances: Width: +5/-10 mms Length: +30/-260 mms
	170 x 700 mms*	Tolerances: Width: +5/-10 mms Length: +30/-130 mms
	600 x 1400 mms*	Tolerances: Width: +30/-80 mms Length: +30/-260 mms
<b>Minimum quantity</b>	If using standard components for laminating the print	1 thickness: 30 kgs 2 thicknesses: 50 kgs
		1 thickness: 15 kgs with 20% price surcharge 2 thicknesses: 25 kgs with 20% price surcharge
	If using non-standard components for laminating the print	to be agreed upon

\* subject to agreement, we reserve the right to supply in subsizes



**4. TECBLOCK/CEBLOX**

	320 x 360 mms*	Tolerances: Width: +5/-5 mms Length: +5/-5 mm
	310 x 350 mms* (Laminated Tecblock/Ceblox)	Tolerances: Width: +5/-10 mms Length: +5/-10 mms
<b>Minimum quantity</b>	Simple Patterns	1 thickness: 30 kgs 2 thicknesses: 50 kgs
	Complicated patterns and laminated	1 thickness: 50 kgs 2 thicknesses: 80 kgs

\* subject to agreement, we reserve the right to supply in subsizes

**3. Thickness tolerances for all products (except for particular specifications)**
**Block**

See Appendix I

**Extrusion and tecblock/ceblox**

See Appendix II

**Extruded multilayers and laminations**

See Appendix III

**4. Weight tolerances for the shipment**
**Catalog items**

+/-10% on the ordered quantity

**Extra catalog items**

+/-15% on the ordered quantity

**Appendix I**
**Block (Thicknesses and tolerances)**

Nominal thicknesses/10mms	Minimum tolerances	Maximum tolerances
1.3	1.2	1.5
2	1.8	2.3
2.3	2.0	2.6
2.5	2.2	2.8
3	2.7	3.4
3.5	3.2	3.9
4	3.6	4.5
4.3	4.2	4.8
4.5	4.1	5.0
5	4.5	5.6
5.5	5.0	6.1
6	5.5	6.6
7	6.3	7.8
8	7.2	8.8
10	9.5	11.3
11	10.5	12.3
12	11.5	13.3
13	12.5	14.3
14	13.5	15.3
15	14.5	16.5
17	16.5	18.6
18	17.5	19.6
20	19.0	22.0
22	21.0	24.0
23	22.0	25.0
25	24.0	27.0
28	27.0	30.0
30	29.0	33.0
33	32.0	36.0
35	34.0	38.0
37	36.0	40.0
40	39.0	43.0

Nominal thicknesses/10mms	Minimum tolerances	Maximum tolerances
42	41.0	45.0
45	44.0	48.0
48	47.0	51.0
50	49.0	54.0
53	52.0	57.0
55	54.0	59.0
60	59.0	64.0
63	62.0	67.0
65	64.0	69.0
68	67.0	72.0
70	69.0	75.0
73	72.0	78.0
75	74.0	80.0
80	79.0	85.0
83	82.0	88.0
90	89.0	95.0
95	94.0	101.0
100	99.0	106.0

**Appendix II**
**Estrusion, Tecblock/Ceblox (Thicknesses and tolerances)**

Nominal thicknesses/10mms	Minimum tolerances	Maximum tolerances
3	3.0	3.3
4	4.0	4.4
5	5.0	5.5
6	6.0	6.6
7	7.0	7.7
8	8.0	8.8
9	9.0	9.9
10	10.0	11.0
12	12.0	13.2
13	13.0	14.3
14	14.0	15.4
15	15.0	16.5
16	16.0	17.6
17	17.0	18.7
18	18.0	19.8
19	19.0	20.9
20	20.0	22.0
22	22.0	24.0
24	24.0	26.0
25	25.0	27.0
28	28.0	30.0
30	30.0	32.0
31	31.0	33.0
33	33.0	35.0

Nominal thicknesses/10mms	Minimum tolerances	Maximum tolerances
35	35.0	37.0
37	37.0	39.0
40	40.0	42.0
42	42.0	44.0
45	45.0	47.0
48	48.0	50.0
50	50.0	52.0
53	53.0	55.0
55	55.0	57.0
60	60.0	62.0
61	61.0	63.0
63	63.0	65.0
65	65.0	67.0
68	68.0	70.0
70	70.0	72.0
71	71.0	73.0
73	73.0	75.0
75	75.0	77.0
80	80.0	82.0
83	83.0	85.0
85	85.0	87.0
90	90.0	92.0
95	95.0	97.0
100	100.0	102.0

**Appendix III****Thickness of layers for extruded materials**

<b>Nominal sizes / 10mms</b>	<b>Tolerances/10mms</b>
From 5 to 10	-/+ 0,8
From 11 to 20	-/+ 1
From 21 to 115	-/+ 2

**Final thicknesses for laminations**

The tolerance of the total thickness is the sum of the tolerances of each single components (included the technical semi-finished glueing layers).

# Acetate Sheets

Mazzucchelli Asia sales conditions

Shanghai Da Shen production

Valid from January 1<sup>st</sup>, 2016

## 1. Colours in our catalog

Product	Minimum quantity
Basic/Trend	1 sheet

## 2. Extra catalog colours

<b>Nominal sizes</b>	600 x 1400 mms*	Tolerances: Width: +30/-60 mms Length: +30/-230 mm
<b>Minimum quantity</b>	MS (simple) block	150 kgs
		80 kgs with 20% price surcharge
	MC (complicated) block	150 kgs
		80 kgs with 20% price surcharge

\* subject to agreement, we reserve the right to supply in subsizes.

## 3. Weight tolerances for the shipment

### Catalog items

+/-10% on the ordered quantity

### Extra catalog items

+/-15% on the ordered quantity

**4. Thickness tolerances**

Nominal thickness /10mms	Minimum tolerances	Maximum tolerances
1.3	1.2	1.5
2	1.8	2.3
2.3	2.0	2.6
2.5	2.2	2.8
3	2.7	3.4
3.5	3.2	3.9
4	3.6	4.5
4.3	4.2	4.8
4.5	4.1	5.0
5	4.5	5.6
5.5	5.0	6.1
6	5.5	6.6
7	6.3	7.8
8	7.2	8.8
10	9.5	11.3
11	10.5	12.3
12	11.5	13.3
13	12.5	14.3
14	13.5	15.3
15	14.5	16.5
17	16.5	18.6
18	17.5	19.6
20	19.0	22.0
22	21.0	24.0
23	22.0	25.0
25	24.0	27.0
28	27.0	30.0
30	29.0	33.0
33	32.0	36.0
35	34.0	38.0
37	36.0	40.0
40	39.0	43.0
42	41.0	45.0
45	44.0	48.0
48	47.0	51.0

Nominal thickness /10mms	Minimum tolerances	Maximum tolerances
50	49.0	54.0
53	52.0	57.0
55	54.0	59.0
60	59.0	64.0
63	62.0	67.0
65	64.0	69.0
68	67.0	72.0
70	69.0	75.0
73	72.0	78.0
75	74.0	80.0
80	79.0	85.0
83	82.0	88.0
90	89.0	95.0
95	94.0	101.0
100	99.0	106.0

**Acetate cellulose sheets properties**

PROPERTIES	REFERENCE METHOD		I.S. UNITS	REF. VALUES
<b>Physical</b>				
Density	ASTM D 792		gr/cm <sup>3</sup>	1,28 - 1,32
Refraction's index	ASTM D 542			1,49 - 1,50
Water absorption	ASTM D 570	24h, 3,2 mm	%	2,0 - 2,5
Weight loss	ASTM D 570	24h, 3,2 mm	%	0,3 - 0,6
Dimensional stability	ASTM D 1204		%	< 2
<b>Mechanical</b>				
Tensile strength at yield	ASTM D 638		MPa	25 - 35
Elongation at yield	ASTM D 638		%	3-5
Tensile strength at break	ASTM D 638		MPa	35-45
Elongation at break	ASTM D 638		%	20 - 40
Elastic Modulus	ASTM D 790		MPa	1300 - 2000
Impact resistance IZOD	ASTM D 256 - ISO 180	Notched	kJ/m <sup>2</sup>	4 - 12
Impact resistance Charpy	ISO 179	Unnotched	kJ/m <sup>2</sup>	50 - 150
Rockwell hardness	ASTM D 785		-	75 - 100 k
<b>Thermal</b>				
Vicat softening point	ASTM D 1525B	Oil, 10 N	°C	90 - 115
Thermal conductivity	ASTM C 177		W · m <sup>-1</sup> · K <sup>-1</sup>	0,2 - 0,3
Thermal expansion coefficient	ASTM D 696	linear	10 <sup>-5</sup> K <sup>-1</sup>	10 - 15
Burning rate	ASTMD 635	th. 3 mm	mm/s	0,1 - 0,2
<b>Electrical</b>				
Electrical volume resistivity	ASTM D 257		Ω · cm	10
Dielectric strength	ASTM D 149		kV/mm	10 - 12

The indicated values are characteristic for the polymer and have to be considered as indicative. Those values could change based on the structure, on the selected color, process condition and thickness. Therefore, the products have to be tasted accordingly to the use they are designated to.