

Technical textiles | Catalogue 2022





“Polymerconsulting“ — is a supplier company of polymer fabrics and films, awning fittings and equipment for industry since 2003.

“Polymerconsulting” exclusively represents fabrics from Industrial Sedo (Spain) — the manufacturer of textiles with more than century experience, cooperates with major global fabrics brand manufacturers and has several own exclusive brands:

Omega®

fabrics for production
tent architecture,
car awnings,
inflatable boats,
gaming complexes and
sports simulators

Optima®

fabrics for production
awnings, light canopies and
coverings, tents, street cafes
and open pavilions

Polytex®

fabrics and films for
window production
tent pavilions and cafes,
air ducts

Stylus®

textiles for printing
design graphics,
reproductions of
paintings, photo
portraits

#more pluses



stable
quality



perfect
service



uninterrupted
supply



fair price

“

We try to do all the best to hear from our partners «Guys, it's pleasure to deal with you».



Awning fabrics

Optima® tent - 450 / 630 / GAMMA 2 M2 - 620	6
Omega® / GAMMA - 650	7
Omega® tent - 700 / GAMMA - 700	8
Omega® panama - 900 / GAMMA 12 M2 - 950	9



Architectural membranes

SED UP TOP / POLYPLAN / Omega® (Type I-II) - 700-950	12
SED UP TOP / POLYPLAN / Omega® (Type III-IV) - 1050-1350	13
GAMMA-11 OPAQUE / Omega® (Blockout) - 850	14



Inflatable boats

Omega® boat - 610, 800, 850, 1050	16
Omega® boat / HEYboat - 1100, 1200, 1400	17
Omega® double wall - 50, 80, 100, 150, 200, 300	18



PVC clear films

Achilles / Polytex® clear - 500 / 750 mcm	20
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Digital printing textiles

Stylus® Hogarth - 260 / Dali - 370 / Millet - 370 / Gino - 380	22
Stylus® Lippi - 260 / Henri - 370 / Monet - 380	23
Stylus® Fera - 110 / Mearas - 160	24
Stylus® Morthond - 200 / Arimorgan - 210 / Morookie - 210 / Isen - 290	25



Awning fabrics

Optima[®]tent / GAMMA 2 M2



APPLICATION

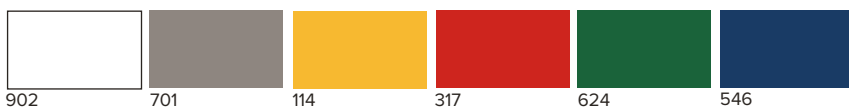
- Tents, awnings
- Open pavilions, street cafes
- Game attractions
- Covers for cargo transportation
- Tent trailers

Technical specification

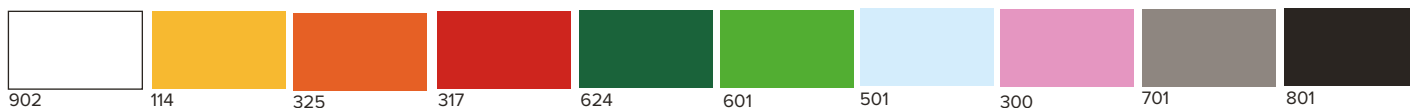
	Optima tent	Optima tent	GAMMA 2 M2
Weight	450 g/m ²	630 g/m ²	620 g/m ²
Line Density	550 x 1100 decitex	1100 x 1100 decitex	1100 x 1100 decitex
Base Composition / Coating	Polyester / PVC	Polyester / PVC	Polyester / PVC
Varnish	1 size (acrylic, gloss)	1 size (acrylic, gloss)	Bilateral (acrylic, gloss)
Strength limit in tension (warp/weft)	180/200 daN/5cm	250/220 daN/5cm	250/260 daN/5cm
Tensile strength (warp/weft)	18/22 daN	25/22 daN	30/28 daN
Heat resistance	from -30 to +70°C	from -30 to +70°C	from -30 to +70°C
Adhesion strength	8 daN/5cm	10 daN/5cm	10 daN/5cm
Standard roll width	1,5 - 3,2 m	2,5 m	2,5/3 m
Standard roll length	50 m	50 m	70 m
Fire resistance class	M1/M2 on order	M1/M2 on order	M1/M2

Color layout

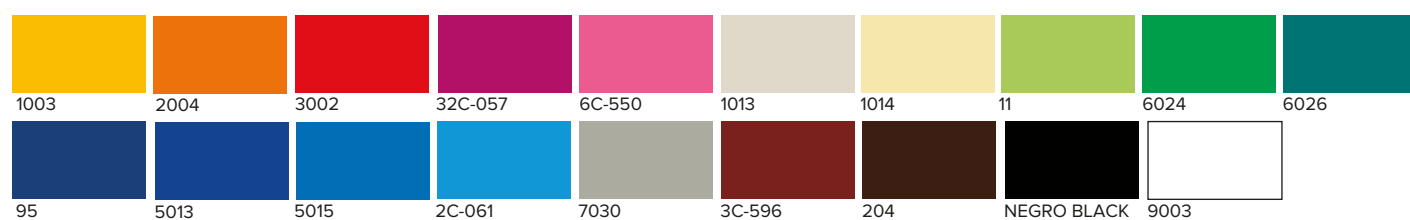
Optima tent 450



Optima tent 630



GAMMA 2 M2



Omega® tent / GAMMA



APPLICATION

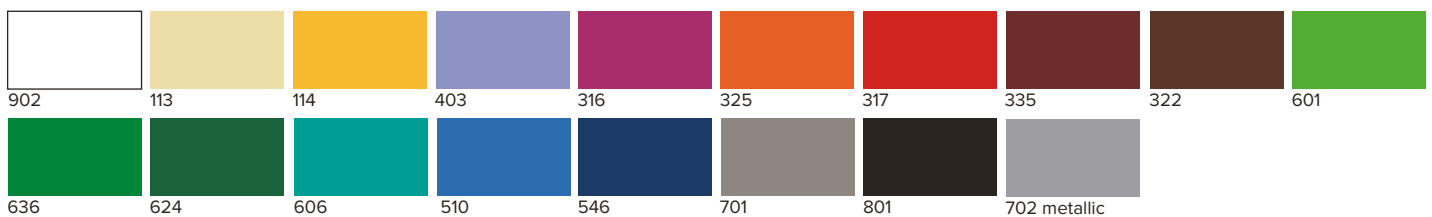
- Tents, sheds
- Game attractions, tubing
- Pneumatic trampoline complexes
- Tilts for grain trucks

Technical specification

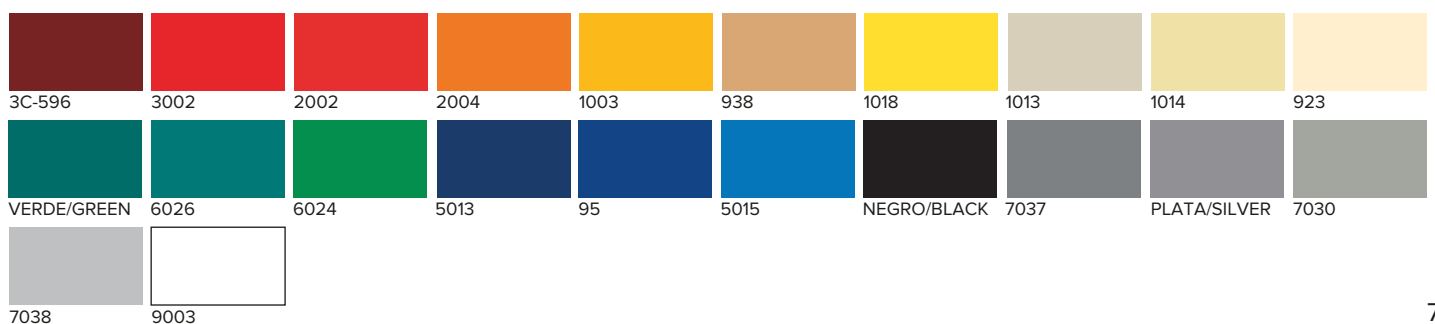
	Omega® tent	GAMMA
Weight	650 g/m ²	650 g/m ²
Line Density	1100 x 1100 decitex	1100 x 1100 decitex
Base Composition / Coating	Polyester / PVC	Polyester / PVC
Varnish	1 size (acrylic, gl.)	Bilateral (acrylic, gl.)
Tensile strength (warp/weft)	250/220 daN/5cm	250/260 daN/5cm
Tensile strength (warp/weft)	28/25 daN	30/30 daN
Heat resistance	from -30 to +70°C	from -30 to +70°C
Adhesion strength	10 daN/5cm	10 daN/5cm
Standard roll width	2,5/2,75/3,0/3,2 m	2,5/2,7/3 m
Standard roll length	50 m	70 m
Warranty	4 years	5 years
Fire resistance class	M1/M2 on order	M1/M2 on order

Color layout

Omega® tent



GAMMA



Omega® tent / GAMMA



APPLICATION

- Truck roofs and awnings
- Hangars, pavilions, production and storage facilities
- Livestock complexes
- Open pavilions
- Street cafes

Technical specification

	Omega® tent	GAMMA
Weight	700 g/m ²	700 g/m ²
Line Density	1100 x 1100 decitex	1100 x 1100 decitex
Base Composition / Coating	Polyester / PVC	
Varnish	bilateral acrylic, gloss	
Tensile strength (warp/weft)	300/280 daN/5cm	250/260 daN/5cm
Tensile strength (warp/weft)	35/30 daN	30/30 daN
Heat resistance	from -30 to +70°C	from -30 to +70°C
Adhesion strength	10 daN/5 cm	10 daN/5cm
Standard roll width	2,75/3 m	2,5/2,7/3 m
Standard roll length	56 m	70 m
Warranty	4 years	5 years
Fire resistance class	M1/M2 on order	M1/M2 on order

Color layout

Omega®



902 701 546

GAMMA



9003



APPLICATION

Large industrial buildings area over 3000 m²

Roller shutters for Euro trucks

Exhibition pavilions, sports facilities, indoor playgrounds, complexes, covered markets.

Technical specification

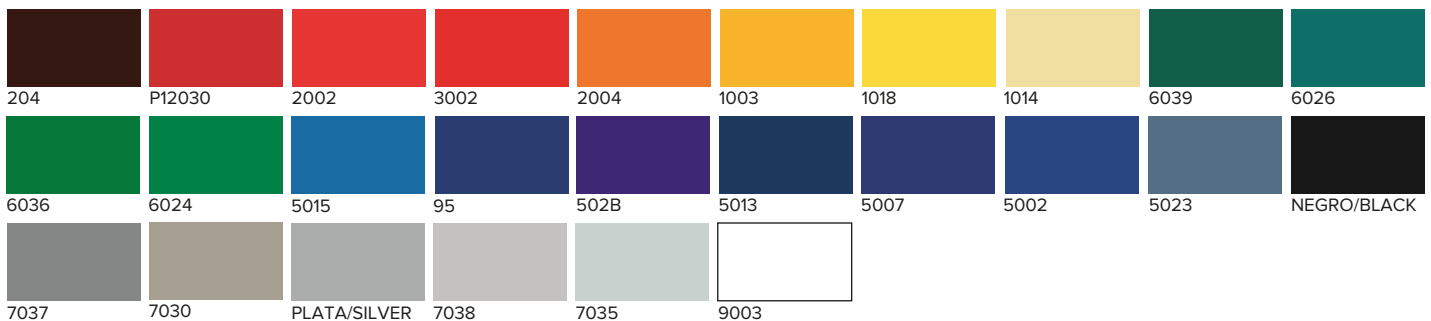
	Omega® panama	GAMMA 12	GAMMA 12 M2
Weight	900 g/m ²	930 g/m ²	950 g/m ²
Line Density	1100 x 1100 decitex	1100 x 1100 decitex	1100 x 1100 decitex
Warp weaving	Panama	Panama	Panama
Base Composition / Coating	Polyester / PVC	Polyester / PVC	Polyester / PVC
Varnish	Bilateral (acrylic, gloss)	Bilateral (acrylic, gloss)	Bilateral (acrylic, gloss)
Tensile strength (warp/weft)	400/380 daN/5cm	400/380 daN/5cm	400/380 daN/5cm
Tensile strength (warp/weft)	55/50 daN	60/50 daN	60/50 daN
Heat resistance	from -30 to +70°C	from -30 to +70°C	from -30 to +70°C
Adhesion strength	10 daN/5cm	12 daN/5cm	12 daN/5cm
Standard roll width	3 m	3 m	3 m
Warranty	4 years	5 years	5 years
Fire resistance class	M1/M2 on order	M1/M2 on order	M1/M2

Color layout

Omega® panama



GAMMA 12



GAMMA 12 M2





Architectural membranes



APPLICATION

- Small and medium architectural forms
- Air-supported sports structures (courts, skating rinks)

Technical specification

TYPE I

	SED UP TOP	POLYPLAN 648	Omega®
Weight	700 g/m ²	700 g/m ²	850 g/m ²
Linear density	1100 x 1100 decitex	1100 x 1100 decitex	1100 x 1100 decitex
Foundation composition / Coating	Polyester / PVC	Polyester / PVC	Polyester / PVC
Varnish	Outer side - PVDF varnish / Inner side - acrylic lacquer, gloss		
Foundation composition	320/300 daN/5cm	330/300 daN/5cm	300/300 daN/5cm
Tensile strength (warp/weft)	37/30 daN	37/32 daN	30/30 daN
Heat resistance	from -30 to +70°C	from -30 to +70°C	from -30 to +70°C
Adhesion strength	10 daN/5cm	12 daN/5cm	10 daN/5cm
Standard roll width	2,5 m	2,5 m	3 m
Fire resistance class	M2/M1	M2/M1	M1/M2
Anti-mould coating and UV protection	Yes	Yes	Yes
Warranty	10 years	12 years	
Country	Spain	Austria	China

Technical specification

TYPE II

	SED UP TOP	POLYPLAN 669	Omega®
Weight	950 g/m ²	900 g/m ²	950 g/m ²
Linear density	1100 x 1100 decitex	1100 x 1100 decitex	2200 x 2200 decitex
Foundation composition / Coating	Polyester / PVC	Polyester / PVC	Polyester / PVC
Varnish	Outer side - PVDF varnish / Inner side - acrylic lacquer, gloss		
Foundation composition	400/400 daN/5cm	420/400 daN/5cm	420/400 daN/5cm
Tensile strength (warp/weft)	60/50 daN	50/50 daN	55/50 daN
Heat resistance	from -30 to +70°C	from -30 to +70°C	from -30 to +70°C
Adhesion strength	12 daN/5cm	14 daN/5cm	12 daN/5cm
Standard roll width	3 m	2,5 m	3 m
Fire resistance class	M2/M1	M2/M1	M1/M2
Anti-mould coating and UV protection	Yes	Yes	Yes
Warranty	10 years	12 years	
Country	Spain	Austria	China

SED UP TOP



9003

POLYPLAN



10B

Omega®



902



APPLICATION

- Large-scale cable-stayed constructions (coverings airports, stadiums)

Technical specification

TYPE III

	SED UP TOP	POLYPLAN 659	Omega®
Weight	1050 g/m ²	1200 g/m ²	1050 g/m ²
Linear density	1670 x 1670 decitex	1670 x 1670 decitex	2200 x 2800 decitex
Foundation composition / Coating	Polyester / PVC	Polyester / PVC	Polyester / PVC
Varnish	Outer Side - PVDF varnish / Inner Side - acrylic lacquer, gloss		
Foundation composition	650/450 daN/5cm	560/540 daN/5cm	570/520 daN/5cm
Tensile strength (warp/weft)	110/110 daN	100/90 daN	75/70 daN
Heat resistance	from -30 to +70°C	from -30 to +70°C	from -30 to +70°C
Adhesion strength	12 daN/5cm	15 daN/5cm	12 daN/5cm
Standard roll width	3 m	3 m	3 m
Fire resistance class	M2/M1	M2/M1	M1/M2
Anti-mould coating и UV protection	Yes	Yes	Yes
Warranty	10 years	12 years	
Country	Spain	Austria	China

Technical specification

TYPE IV

	SED UP TOP	POLYPLAN 717	Omega®
Weight	1300 g/m ²	1350 g/m ²	1250 g/m ²
Linear density	1670 x 1670 decitex	1670 x 1670 decitex	3300 x 3300 decitex
Foundation composition / Coating	Polyester / PVC	Polyester / PVC	Polyester / PVC
Varnish	Outer side - PVDF varnish / Inner side - acrylic lacquer, gloss		
Foundation composition	700/600 daN/5cm	840/730 daN/5cm	620/550 daN/5cm
Tensile strength (warp/weft)	175/175 daN	140/130 daN	90/85 daN
Heat resistance	from -30 to +70°C	from -30 to +70°C	from -30 to +70°C
Adhesion strength	12 daN/5cm	15 daN/5cm	12 daN/5cm
Standard roll width	2,5 m	3,20 m	3 m
Fire resistance class	M2/M1	M2/M1	M1/M2
Anti-mould coating и UV protection	Yes	Yes	Yes
Warranty	10 years	12 years	
Country	Spain	Austria	China

SED UP TOP



9003

POLYPLAN



10B

Omega®



902



APPLICATION

- Sheds and places with requirements for light blocking

Technical specification

	GAMMA Opaco	Omega® blackout
Weight	850 g/m ²	850 g/m ²
Linear density	1100 x 1100 decitex	1100 x 1100 decitex
Foundation composition / Coating / Varnish	Polyester / PVC / Bilateral acrylic lacquer, gloss	
Foundation composition	320/300 daN/5cm	300/280 daN/5cm
Tensile strength (warp/weft)	37/30 daN	35/30 daN
Heat resistance	from -30 to +70°C	from -30 to +70°C
Adhesion strength	10 daN/5cm	10 daN/5cm
Standard roll width	2,5 m	2,5 m
Fire resistance class	M2/M1	M2/M1
Anti-mould coating	Yes	Yes
UV protection	Yes	Yes

Color layout

GAMMA Opaco

Omega®blackout



9003



902



Inflatable boats

Omega® boat / HEYboat



APPLICATION

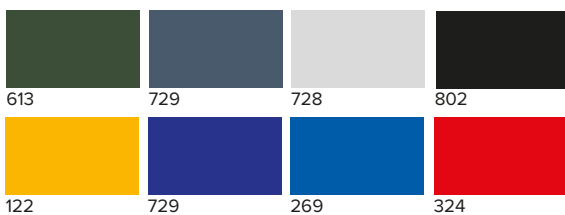
- Rowing boats
- Motor boats, water rides, kayaks and rafts

Technical specification

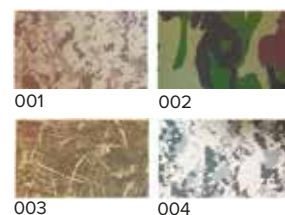
	Omega® boat	Omega® boat	HEYboat 5509
Weight	610 g/m ²	800 / 850 g/m ²	1050 g/m ²
Linear density	1100 x 1100 decitex	1100 x 1100 decitex	1100 x 1100 decitex
Total thickness	0,52 mm	0,68 и 0,71 mm	0,90 mm
Foundation composition / Coating	Polyester / PVC	Polyester / PVC	Polyester / PVC
Foundation composition	260/230 daN/5cm	280/250 daN/5cm	300/300 daN/5cm
Tensile strength (warp/weft)	25/20 daN	25/20 daN	30/25 daN
Heat resistance	from -30 to +70°C	from -30 to +70°C	from -30 to +70°C
Adhesion strength	9 daN/5cm	10 daN/5cm	10 daN/5cm
Standard roll width	2,18 m	2,18-2,05 m	1,5/2,05 m
Warranty	3 years	3 years	3 years

Color layout

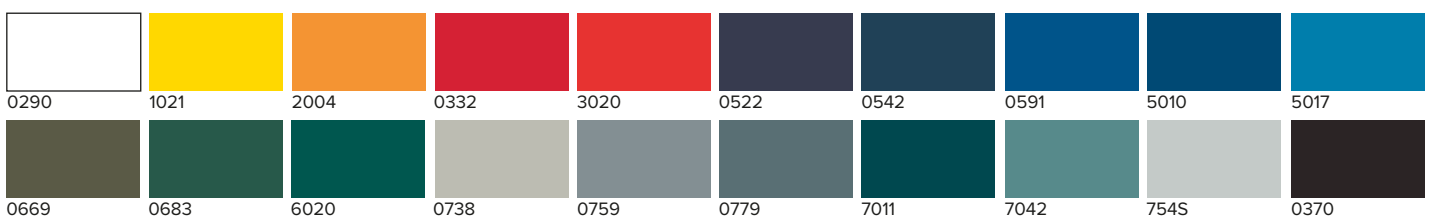
Omega® boat



Omega® boat (camouflage)



HEYboat



Omega® boat / HEYboat



APPLICATION

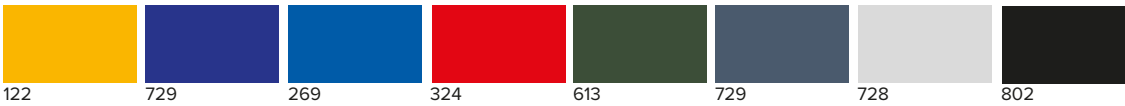
- Combined motor boats with hard bottom (RIB)

Technical specification

	Omega® boat	HEYboat 5559	Omega® boat
Weight	1100 g/m ²	1200 g/m ²	1450 g/m ²
Linear density	1100 x 1100 decitex	1100 x 1100 decitex	1100 x 1100 decitex
Total thickness	0,91 mm	1,1 mm	1,2 mm
Foundation composition / Coating	Polyester / PVC	Polyester / PVC	Polyester / PVC
Foundation composition	380/350 daN/5cm	400/400 daN/5cm	400/360 daN/5cm
Tensile strength (warp/weft)	35/30 daN	55/50 daN	40/50 daN
Heat resistance	from -30 to +70°C	from -30 to +70°C	from -30 to +70°C
Adhesion strength	10 daN/5cm	10 daN/5cm	12 daN/5cm
Standard roll width	1,52 m	1,5/2,05 m	1,55 m
Warranty	3 years	3 years	3 years

Color layout

Omega® boat



HEYboat



Omega® double wall



APPLICATION

- Inflatable bottom of motor boats
- SUP boards

Technical specification

Omega® double wall

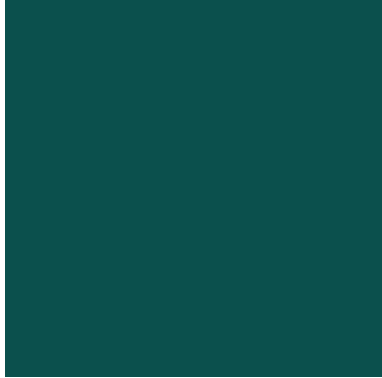
Total thickness	50/80/100/150/200/300 mm
Linear density	1100 x 1100 decitex
Weight	2000/2400/2500/2600/2800/3000 g/m ²
Foundation composition / Coating	Polyester / PVC
Foundation composition	180/240 daN/5cm
Tensile strength (warp/weft)	50/60 daN
Heat resistance	from -30 to +70°C
Standard roll width	1,55/1,65/1,85/2,00 m
Warranty	3 years

Color layout

Omega® double wall



902



PVC clear films



APPLICATION

- Windows of tent pavilions and cafes
- Protective curtains for winter playground insulation

Technical specification

	Achilles	Polytex® clear
Thickness	500 mcm	500 mcm
Weight	625 g/m ²	650 g/m ²
Plasticity	45 phr	48 phr
Shrinkage	2-3%	4-6%
Foundation composition	135 N	250 N
Tensile strength (warp/weft)	41 N	16 N
Elongation at break	> 350%	> 200%
Standard roll width	1,37 m/1,83 m	1,4 m

	Achilles	Achilles Low Shrink
Thickness	750 mcm	500 mcm
Weight	937 g/m ²	650 g/m ²
Plasticity	45 phr	45 phr
Shrinkage	2-3%	0
Foundation composition	200 N	135 N
Tensile strength (warp/weft)	67 N	41 N
Elongation at break	370%	350%
Standard roll width	1,37 m	1,37 m



Digital printing textiles

CANVAS
 STYLUS® CG HOGARTH / DALI
 STYLUS® CM MILLET / CGN GINO



APPLICATION

- Interior advertising
- Art and design graphics

Technical specification

	Stylus® CG Hogarth	Stylus® CG Dali	Stylus® CM Millet	Stylus® CGN Gino
Weight	260 g/m ²	370 g/m ²	370 g/m ²	380 g/m ²
Thickness	0,36 mm	0,46 mm	0,46 mm	0,55 mm
Coating	Acrylic/Glossy	Acrylic/Glossy	Acrylic/Matte	Acrylic/Glossy
Foundation composition	Polyester	40% Cotton	40% Cotton	100% Cotton
Tensile strength (warp/weft)	230/150 daN/5cm	280/25 daN/5cm	280/25 daN/5cm	290/25 daN/5cm
Elongation at break	10%	1%	1%	1%
Width range	0,61-3,2m	0,61-3,2m	0,61-3,2m	0,61-3,2m
Roll length	18/30m	18/30m	18/30m	18/30m
Back side color		White		Beige
Ink	Eco-solvent, ultraviolet, latex			
Optimum printing conditions	1 year at temperature - 20 °C and relative humidity 50%			
Storage terms and conditions	Temperature - 25 °C. Humidity - 50%			
Fire resistance class	M1 / M2 on order			
Environmental friendliness	not includes PVC			

CANVAS

STYLUS® CM LIPPI / CM HENRI / CMN MONET



APPLICATION

- Reproductions and copies of paintings
- Photo portraits

Technical specification

	Stylus® CM Lippi	Stylus® CM Henri	Stylus® CMN Monet
Weight	260 g/m ²	370 g/m ²	380 g/m ²
Thickness	0,36 mm	0,46 mm	0,55 mm
Coating	Acrylic/Matte	Acrylic/Matte	Acrylic/Matte
Foundation composition	Polyester	40% Cotton	100% Cotton
Tensile strength (warp/weft)	230/150 daN/5cm	280/25 daN/5cm	290/25 daN/5cm
Elongation at break	10%	1%	1%
Width range	0,61-1,52m	0,61-3,2m	0,61-1,52m
Roll length	18/30m	18/30m	18/30m
Back side color	White	White	Beige
Ink	Eco-solvent, ultraviolet, latex, pigmented		
Optimum printing conditions	Temperature - 25 °C. Humidity - 50%		
Storage terms and conditions	1 year at temperature - 20 °C and relative humidity 50%		
Fire resistance class	M1 / M2 on order		
Environmental friendliness	not includes PVC		

FLAG FABRIC

STYLUS® F FERA / LF MEARAS



APPLICATION

- Advertising media and flags

Technical specification

	Stylus® F Fera	Stylus® LF Mearas
Weight	110 g/m ²	160 g/m ²
Thickness	0,29 mm	0,36 mm
Coating	Acrylic	Acrylic
Foundation composition	Polyester	Polyester
Tensile strength (warp/weft)	32/44 daN/5cm	32/44 daN/5cm
Elongation at break	10%	10%
Width range	1,52-1,60m	1,07-1,52m
Roll length	50m	50m
Substrate	No	Yes
Ink	Sublimation, ultraviolet, latex	Eco-solvent, ultraviolet, latex
Optimum printing conditions	Temperature - 25 °C. Humidity - 50%	
Storage terms and conditions	1 year at temperature 25 °C and relative humidity 50%	
Fire resistance class	M1 / M2 on order	
Environmental friendliness	not includes PVC	

WALLPAPER FABRIC
 STYLUS® WM MORTHOND / MOROOKIE / ISEN
 STYLUS® WG ARIMORGAN



APPLICATION

- Wall and ceiling coverings
- Exhibition stands
- Interior decor

Technical specification

	Stylus® WM Morthond	Stylus® WG Arimorgan	Stylus® WM Morookie	Stylus® WM Isen
Weight	200 g/m ²	210 g/m ²	210 g/m ²	290 g/m ²
Thickness	0,36 mm	0,55 mm	0,47 mm	0,31 mm
Coating	Acrylic	Acrylic	Acrylic	Acrylic
Foundation composition	Polyester	Polyester	Polyester	Polyester
Tensile strength (warp/weft)	30/25 daN/5cm	40/35 daN/5cm	148/40 daN/5cm	91/31 daN/5cm
Elongation at break	5%	5%	10%	10%
Width range	2,3-3,2m	2,8m	2,8m	1,37-1,52m
Roll length	60m	60m	60m	30m
Color	White			
Ink	eco-solvent, ultraviolet, latex			
Optimal printing conditions	Temperature - 25 °C. Humidity - 50%			
Storage terms and conditions	1 year at temperature 20 °C and relative humidity 50%			
Fire resistance class	M1 / M2 on order			
Environmental friendliness	not includes PVC			



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