

**GÜNEŞ KIRICI
KUMAŞ KARTELASI**
**SUN SCREEN
FABRICS**

FERRINI®

ZPLINE



copaco®
screenweavers

Serge Ferrari

Teknik Özellikler

Technical Specifications

Serge 600	UNITY	STANDARD	RESULT
malzeme bileşeni <i>composition</i>		Glassfibre 42% - PVC 58%	
açıklık yüzdesi <i>openness factor</i>	%	NBN EN 410	5%
ağırlık <i>weight</i>	g/m ²	NF EN 12127	525
kalınlık <i>thickness</i>	mm	ISO 2286-3	0,74
yangın sınıflandırması <i>fire classification</i>	Avrupa <i>Europe</i>	UNE-EN 13501-1:2007	C-s3,d0
	Fransa <i>France</i>	NF P92-503	M1
	İtalya <i>Italy</i>	UNI 9177	Class 1
	Almanya <i>Germany</i>	DIN 4102	B1
	İngiltere <i>UK</i>	BS 5867	C
	Amerika Birleşik Devletleri <i>USA</i>	NFPA 701	FR
rulo uzunluğu <i>roll length</i>	50m / 30m for all widths > 270cm		
temizlik <i>cleaning</i>	sabunlu su ile <i>with soapy water</i>		
imal yöntemleri <i>confection</i>	ısı, yüksek frekans veya ultrasonik kaynak ile <i>by heat, high frequency or ultrasonic welding</i>		

These properties are given as indicative and don't have any contractual value



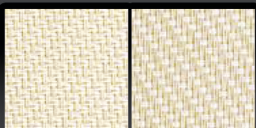
ÖN front



ARKA back

2002 - white

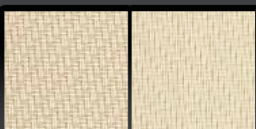
ÖN front



ARKA back

8002 - linen white

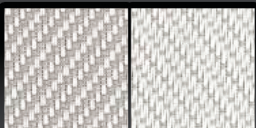
ÖN front



ARKA back

8008 - linen

ÖN front



ARKA back

2007 - white | pearl grey

ÖN front



ARKA back

8007 - linen | pearl grey

ÖN front



ARKA back

7007 - pearl grey

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Güneş Enerjisi Özellikleri
Solar energetic properties

Serge 600 European Standard EN 14501 Calculation G-value according to EN 13363-1, version 7.0				GÜNEŞ ENERJİSİ ÖZELLİKLERİ SOLAR ENERGETIC PROPERTIES												GÖRSEL ÖZELLİKLER VISUAL PROPERTIES		
				KUMAŞ FABRIC			KUMAŞ+CAM FABRIC+GLAZING											
							DIŞ EXTERIOR					İÇ INTERIOR						
							G-faktörü = Toplam Güneş Enerjisi Geçirgenliği G-factor = total solar energy transmittance											
ürün references	renkler colours		ön front	arka back	Güneş Soğurma % As-Solar Absorbance %	Güneş Yansıtma % Rs-Solar Reflectance %	Güneş Geçirgenliği % Ts-Solar Trans- mittance %	Camlama-A Glazing A Gv=0,85 U=5,8	Camlama-B Glazing B Gv=0,78 U=2,9	Camlama-C Glazing C Gv=0,59 U=12	Camlama-D Glazing D Gv=0,32 U=17	Camlama-A Glazing A Gv=0,85 U=5,8	Camlama-B Glazing B Gv=0,78 U=2,9	Camlama-C Glazing C Gv=0,59 U=12	Camlama-D Glazing D Gv=0,32 U=17	Görünür Işık Geçirgenliği Iv-Visible Light Trans- mittance %	UV Geçirgenliği Tuv-UV Trans- mittance %	
2002	white white			ön front	13.2	65.9	21.0	0.22	0.20	0.15	0.10	0.36	0.37	0.36	0.25	21.2	4.3	
				arka back	12.7	66.3	21.0	0.22	0.19	0.15	0.10	0.35	0.37	0.36	0.25	21.2	4.3	
8002	linen white			ön front	26.4	58.2	15.5	0.20	0.17	0.13	0.09	0.39	0.41	0.38	0.26	13.7	5.3	
				arka back	28.1	56.4	15.5	0.20	0.17	0.13	0.09	0.40	0.42	0.39	0.26	13.7	5.3	
8008	linen linen			ön front	32.5	52.5	14.9	0.21	0.17	0.13	0.09	0.43	0.43	0.40	0.26	12.9	5.8	
				arka back	32.4	52.7	14.9	0.20	0.17	0.13	0.09	0.42	0.43	0.40	0.26	12.9	5.8	
2007	white pearl grey			ön front	40.9	47.6	11.5	0.19	0.16	0.11	0.08	0.45	0.46	0.42	0.27	10.7	6.0	
				arka back	33.2	55.3	11.5	0.18	0.15	0.11	0.08	0.40	0.42	0.39	0.26	10.7	6.0	
8007	linen pearl grey			ön front	45.7	43.5	10.8	0.20	0.16	0.11	0.08	0.47	0.48	0.43	0.27	9.1	5.0	
				arka back	42.1	47.1	10.8	0.19	0.16	0.11	0.08	0.45	0.46	0.42	0.27	9.1	5.0	
7007	pearl grey pearl grey			ön front	51.7	38.3	10.1	0.20	0.16	0.11	0.09	0.50	0.50	0.44	0.27	8.4	6.0	
				arka back	50.5	39.4	10.1	0.20	0.16	0.11	0.09	0.50	0.50	0.44	0.27	8.4	6.0	

CAMLAMA A = şeffaf tek cam 4mm	GLAZING A = clear single glazing 4mm	Gv = 0,85
CAMLAMA B = şeffaf çift cam (4/12/4), boşluk hava ile dolu	GLAZING B = clear double glazing (4/12/4), space filled with air	Gv = 0,76
CAMLAMA C = çift cam (4/16/4), konum 3'te düşük emisyonlu kaplamalı, boşluk argon gazı ile dolu	GLAZING C = double glazing (4/16/4), with a low emissivity coating in position 3, space filled with argon	Gv = 0,59
CAMLAMA D = 2 konumunda düşük emisyon kaplamalı reflektif çift cam (4/16/4), boşluk argon gazı ile dolu	GLAZING D = reflective double glazing (4/16/4), with a low emissivity coating in position 2, space filled with argon	Gv = 0,32

ÖN front



ARKA back

33033 - sandstone

ÖN front



ARKA back

1001 - grey

ÖN front



ARKA back

1042 - shade

ÖN front



ARKA back

47047 - anthracite grey

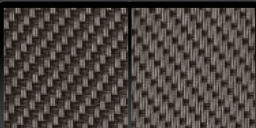
ÖN front



ARKA back

11011 - bronze

ÖN front



ARKA back

1010 - grey | charcoal

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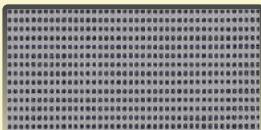
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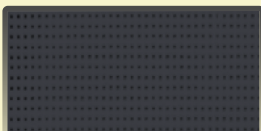
Güneş Enerjisi Özellikleri
Solar energetic properties

Serge 600 European Standard EN 14501 Calculation G-value according to EN 13363-1, version 7.0				GÜNEŞ ENERJİSİ ÖZELLİKLERİ SOLAR ENERGETIC PROPERTIES												GÖRSEL ÖZELLİKLER VISUAL PROPERTIES	
				KUMAŞ FABRIC	KUMAŞ+CAM FABRIC+GLAZING												
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ürün references	renkler colours			Güneş Soğurma % A=Solar Absorbance %	Güneş Yansıtma % R=Solar Reflectance %	Güneş Geçirgenliği % T=Solar Transmittance %	Camlama-A Glazing A Gv=0,85 U=5,6	Camlama-B Glazing B Gv=0,78 U=2,9	Camlama-C Glazing C Gv=0,59 U=1,2	Camlama-D Glazing D Gv=0,32 U=1,1	Camlama-A Glazing A Gv=0,85 U=5,6	Camlama-B Glazing B Gv=0,78 U=2,9	Camlama-C Glazing C Gv=0,59 U=1,2	Camlama-D Glazing D Gv=0,32 U=1,1	Görünür Işık Geçirgenliği Iv=Visible Light Transmittance %	UV Geçirgenliği Tuv=UV Transmittance %	
		ön front	arka back														
33033	sandstone			ön front	72.4	20.5	7.1	0.22	0.17	0.11	0.09	0.60	0.59	0.50	0.29	6.8	6.6
				arka back	72.5	20.4	7.1	0.22	0.17	0.11	0.09	0.60	0.59	0.50	0.29	6.8	6.6
1001	grey grey			ön front	81.3	15.1	3.5	0.20	0.16	0.10	0.08	0.63	0.62	0.52	0.30	3.6	3.5
				arka back	81.4	15.1	3.5	0.20	0.16	0.10	0.08	0.63	0.62	0.50	0.30	3.6	3.5
1042	shade			ön front	75.8	16.7	7.5	0.23	0.18	0.12	0.10	0.62	0.61	0.51	0.29	7.4	7.2
				arka back	76.0	16.5	7.5	0.23	0.18	0.12	0.10	0.62	0.61	0.51	0.29	7.4	7.2
47047	anthracite grey			ön front	87.1	6.7	6.2	0.23	0.18	0.11	0.09	0.66	0.65	0.54	0.30	6.2	6.1
				arka back	87.1	6.7	6.2	0.23	0.18	0.11	0.09	0.66	0.65	0.54	0.30	6.2	6.1
11011	bronze bronze			ön front	88.0	8.1	3.9	0.22	0.17	0.10	0.09	0.67	0.65	0.54	0.30	3.8	3.8
				arka back	87.7	8.4	3.9	0.22	0.17	0.10	0.09	0.67	0.65	0.54	0.30	3.8	3.8
1010	grey charcoal			ön front	86.5	9.9	3.6	0.22	0.16	0.10	0.09	0.66	0.64	0.54	0.30	3.6	3.4
				arka back	83.8	12.6	3.6	0.21	0.16	0.10	0.08	0.64	0.63	0.53	0.30	3.6	3.4

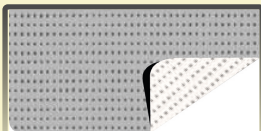
CAMLAMA A = şeffaf tek cam 4mm	GLAZING A = clear single glazing 4mm	Gv = 0,85
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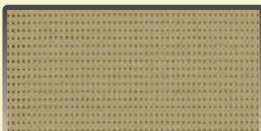
86 - 2045 | Beaten metal



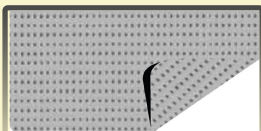
86 - 2047 | Anthracite



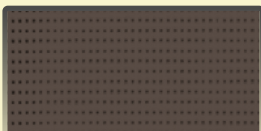
86 - 2051 | Alu/White



86 - 2012 | Pepper



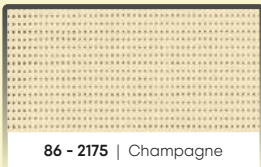
86 - 2048 | Alu/Alu



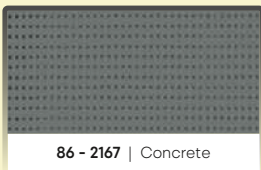
86 - 2043 | Bronze

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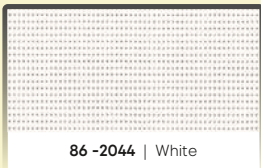
Serge Ferrari



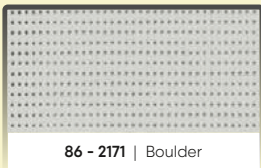
86 - 2175 | Champagne



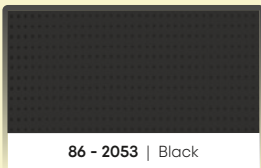
86 - 2167 | Concrete



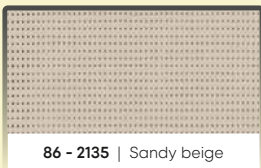
86 - 2044 | White



86 - 2171 | Boulder



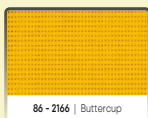
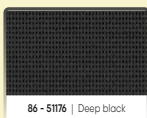
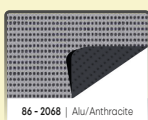
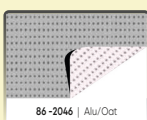
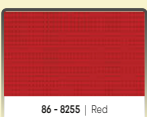
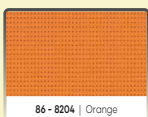
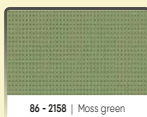
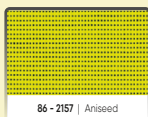
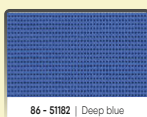
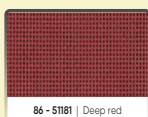
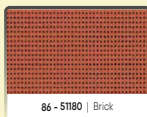
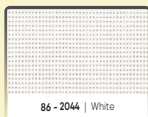
86 - 2053 | Black



86 - 2135 | Sandy beige

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Serge Ferrari



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Serge Ferrari

■ **Technical properties**

Standards

Openness factor	açıklık	14%	
Weight	ağırlık	380 g/m ²	EN ISO 2286-2
Thickness	kalınlık	0.45 mm	
Width	genişlik	177 cm - 267 cm	

■ **Certifications, labels, guarantees, recyclability**



■ **Physical properties**

Breaking resistance (warp / weft)	^{çekme dynmi} 230/160 daN/5 cm	EN ISO 1421
Tear resistance (warp / weft)	^{kopma dynmi} 45/20 daN	DIN 53.363

■ **Reaction to fire**

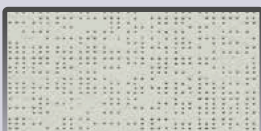
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Euroclass	B-s2.d0	EN 13501-1

■ **Management system**

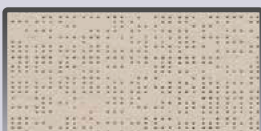
Quality	ISO 9001	
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92 - 2043 | Bronze



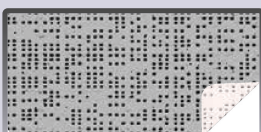
92 - 2171 | Boulder



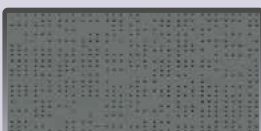
92 - 2135 | Sandy beige



92 - 2045 | Beaten Metal



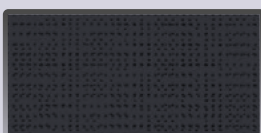
92 - 2046 | Alu/Oat



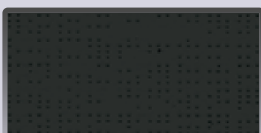
92 - 2167 | Concrete

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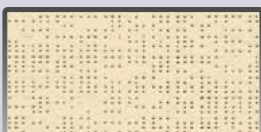
Serge Ferrari



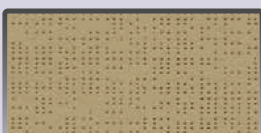
92 - 2047 | Anthracite



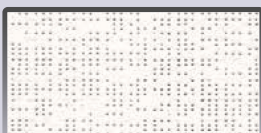
92 - 2053 | Black



92 - 2175 | Champagne



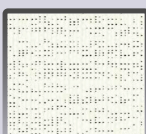
92 - 2012 | Pepper



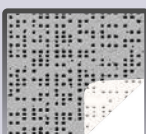
92 - 2044 | White

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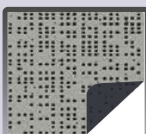
Serge Ferrari



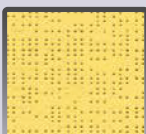
92 - 50690 | Snow white



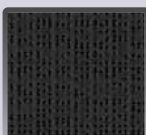
92 - 2051 | Alu/White



92 - 2068 | Alu/Anthracite



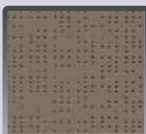
92 - 50273 | Gold



92 - 51176 | Deep Black



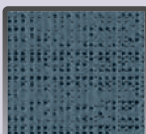
92 - 50303 | Quartz



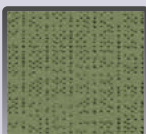
92 - 50266 | Havana Brown



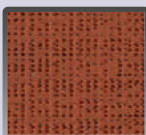
92 - 50850 | Taupe



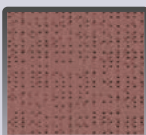
92 - 51178 | Celestial grey



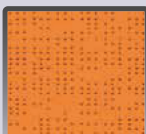
92 - 2158 | Moss Green



92 - 51180 | Brick



92 - 51181 | Deep red



92 - 8204 | Orange



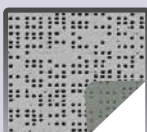
92 - 2157 | Aniseed

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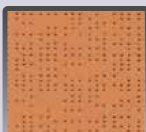
Serge Ferrari



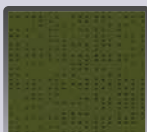
92 - 2048 | alu/alu



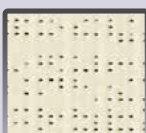
92 - 2074 | alu/medium grey



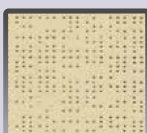
92 - 50274 | Copper



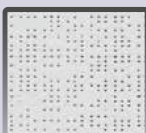
92 - 2167 | Beetle



92 - 50843 | Shea



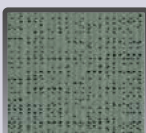
92 - 50265 | Hemp



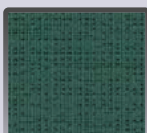
92 - 50272 | Cloud



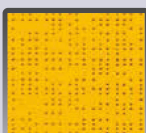
92 - 51177 | Dark grey



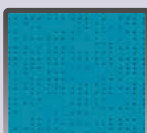
92 - 51179 | Green grey



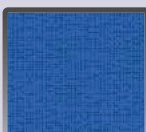
92 - 8056 | Tennis green



92 - 2166 | Buttercup



92 - 2160 | Lagoon



92 - 51182 | Deep blue



92 - 8255 | Red

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Serge Ferrari

■ **Technical properties**

Standards

Openness factor	açıklık	4%	
Weight	ağırlık	420 g/m ²	EN ISO 2286-2
Thickness	kalınlık	0.45 mm	
Width	genişlik	177 cm - 267 cm	

Certifications, labels, guarantees, recyclability



with S+ Serge Ferrari goes further ...
(information available on request)

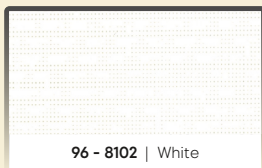


■ **Physical properties**

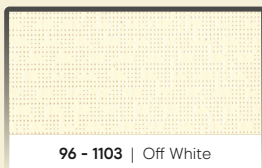
Breaking resistance (warp / weft) çekme dynm	310/210 daN/ 5 cm	EN ISO 1421
Tear resistance (warp / weft) kopma dynm	45/20 daN	DIN 53.363

■ **Reaction to fire**

Rating	M1/NFP 92-507 — B1/DIN 4102-1 — BS 7837 — BS 5867 — Schwerbrennbar-Q1-Tr1/ONORM A 3800-1 Classe 1/EN 13373 — M1/UNE 23.727-90 — VKF 5.3/SN 198898 — 1530.3/AS/NZS G1/GOST 30244-94 — Method 1/NFPA 701 — CSFMT19 — Class A/ASTM E84	
Euroclass	B-s2.d0	EN 13501-1



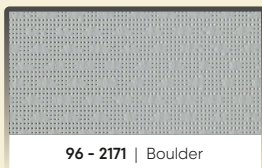
96 - 8102 | White



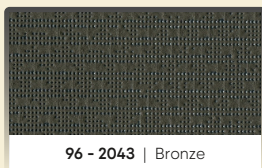
96 - 1103 | Off White



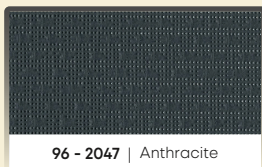
96 - 2135 | Sandy Beige



96 - 2171 | Boulder



96 - 2043 | Bronze



96 - 2047 | Anthracite

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Serge Ferrari

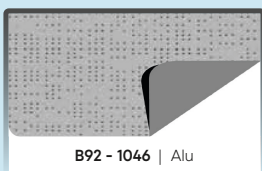
	Color	Proof
Technical properties		
Openness factor açıklık	4%	0%
Weight ağırlık EN ISO 2286-2	400 g/m² • 11.8 oz/sq. yd	620 g/m² • 18.3 oz/sq. yd
Thickness kalınlık	0.45 mm • 450 microns	0.56 mm • 560 microns
Width genişlik	120 cm - 267 cm • 47.2 in - 105.1 in	267 cm • 105.1 in

Précontraint® Technology

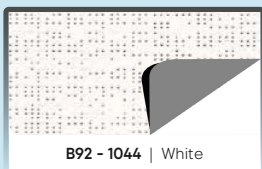
5-year warranty



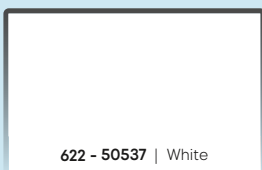
	Color	Proof
Physical properties		
Tensile strength (warp/weft) EN ISO 1421 çekme dynmı	220/220 daN/5 cm • 495/495 lbs/2 in	220/220 daN/5 cm • 495/495 lbs/2 in
Tear strength (warp/weft) DIN 53.363	30/25 daN • 67/56 lbs	25/20 daN • 56/45 lbs
Sealing EN ISO 811 kopma dynmı		10,000 mm • 393.7 in
Rating	M2/NF P 92-507 B1/DIN 4102-1 M2/UNE 23727 Method 1/NFPA 701 CAN/ULC S109 AS/NZS 1530.2 AS/NZS 1530.3	M2/NF P 92-507 B1/DIN 4102-1 M2/UNE 23727 Class 1/EN 13773 Classe 2/UNI 9177 BS 5867-2 Schwerbrennbar-Q1-Tr1/ONORM A 3800-1 Method 1/NFPA 701 Method 2/NFPA 701 CSFM T19 Class A/ASTM E84 CAN/ULC S109 AS/NZS 1530.2 AS/NZS 1530.3 Group 1/AS/NZS 3837 G1/GOST 30244-94
Euroclass EN 13501-1	B-s2,d0	B-s2,d0



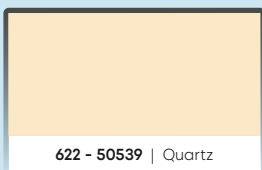
B92 - 1046 | Alu



B92 - 1044 | White



622 - 50537 | White



622 - 50539 | Quartz



622 - 50542 | Grey

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Serge Ferrari

■ **Technical properties**

Weight	ağırlık	620 g/m ² — 18.3 oz/sqyd	Standards
Thickness	kalınlık	0.56 mm — 560 microns	EN ISO 2286-2
Width	genişlik	267 cm — 105.1 in.	

■ **Certifications, labels, warranties**



With S+ Serge Ferrari goes further than the standards..
(consult us for further information)

■ **Physical properties**

Tensile strength (warp/weft)	çekme dynmı	220/220 daN/5 cm	EN ISO 1421
Tear strength (warp/weft)	kopma dynmı	25/20 daN	DIN 53.363

■ **Flame retardancy**

Rating	M2	NFP 92-507
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■ **Management systems**

Quality	kalite	ISO 9001
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■ Technical properties

Standards

Weight	ağırlık	650 g/m ²	540 g/m ²	650 g/m ²	750 g/m ²	EN ISO 2286-2
Thickness	kalınlık	0.60 mm	0.47 mm	0.53 mm	0.60 mm	
Width	genişlik	170 cm	170 cm	170 cm	177 cm	

Euroclass	B-s2.d0	B-s2.d0	B-s2.d0	B-s2.d0	EN 13501-1
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■ Management system

Quality	kalite				ISO 9001
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■ Certifications, labels, guarantees, recyclability



with S+ Serge Ferrari goes further ...
(information available on request)



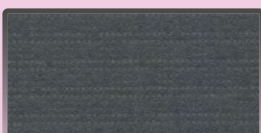
■ Tools and services

■ Physical properties

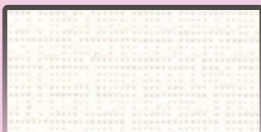
Breaking resistance (warp / weft) çekme / kırma dynmi	330/220 daN/5 cm	160/170 daN/5 cm	160/170 daN/5 cm	280/280 daN/5 cm	EN ISO 1421
Tear resistance (warp / weft) kopma dynmi	45/25 daN	11/13 daN	11/13 daN	30/28 daN	DIN 53.363

■ Reaction to fire

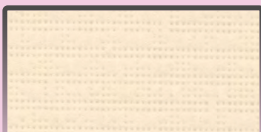
Rating	B1 /DIN 4102-1 Schwerbrennbar-Q1-Tr1 /ONORM A3800-1 Class 2 /UNI 9177-87 VKF 5.3 /SN 198898 BS 5867 Method 1 and 2 /NFPA 701 Class A /ASTM E 84 Class 1 /EN 13373 G1 /GOST 30244-94	B1 /DIN 4102-1 Method 2 /NFPA 701	B1 / DIN 4102-1 Method 2 /NFPA 701	B1 /DIN 4102-1 BS 7837 CAN ULCS109 Schwerbrennbar-Q1-Tr1 /ONORM A3800-1 Classe 2 /UNI 9177-87 M2 /UNE 23.727-90 VKF 5.3 /SN 198898 1530.3 /AS/NZS G1 /GOST 30244-94 Method 2 /NFPA 701 CSFMT19
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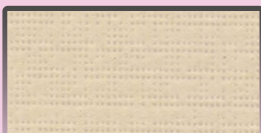
W96 - 2047 | Anthracite



W96 - 8102 | White



W96 - 1103 | Off White



W96 - 8861 | Vanilla



W96 - 2171 | Cloud

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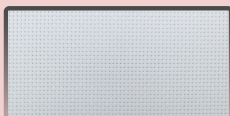
Serge Ferrari



ZS - 915 | Charcoal/Bronze



ZS - 906 | Charcoal/Grey



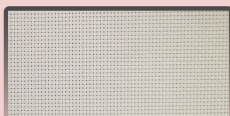
ZS - 001 | White



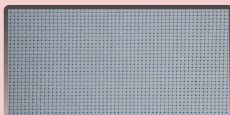
ZS - 002 | White/Beige



ZS - 003 | White/Grey



ZS - 202 | Beige

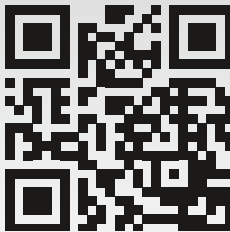


ZS - 303 | Grey



ZS - 914 | Charcoal

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