



JM *Technical Textiles*

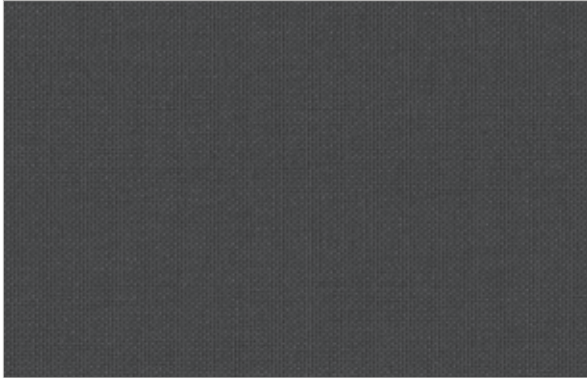
SCREEN
DIMOUT
BLACKOUT
ALUMINIUM
ACOUSTIC
MEDI CARE
FACADE

7%

Opera Alu

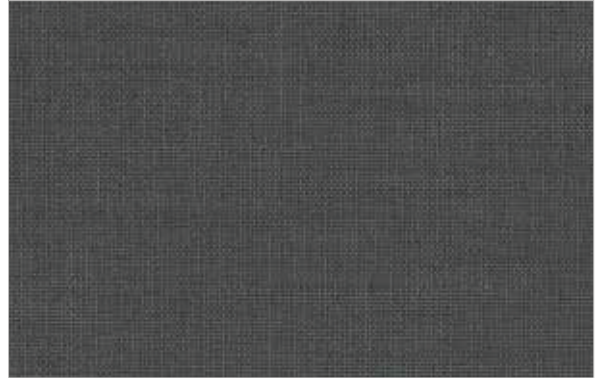
Opera Alu

7%



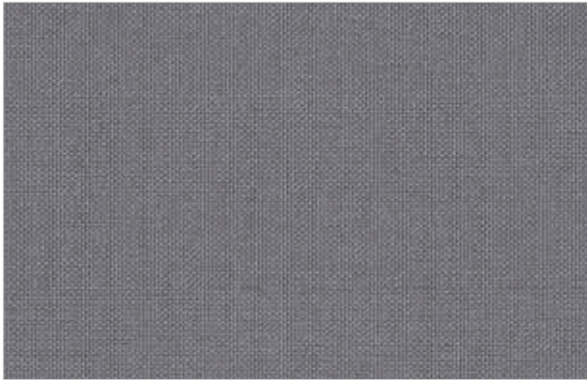
11349

Charcoal



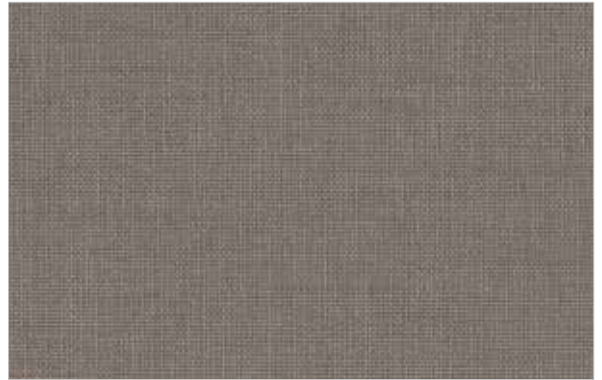
11291

Nordic Coal



11347

Basalt



11351

Dark Taupe



11346

Silver



11350

Olive Grey



11345

Arctic



11348

Canvas

Opera Alu 7%



PVC-, halogen- and antimony-free finish



improved visual contact in light colours



textile appearance



high reflection in all colours



low thermal emissivity (low E)



improved colour rendering index

optical factors											thermal factors						
colour	fabric						classification				fabric				fabric + glazing		
	visible light (%)						glare control	night privacy	visual contact	daylight utilisation	solar radiation (%)				IR ε	glazing D g=0,32 Ug=1,1	
	T _v	R _v	A _v	T _{v,n-n}	T _{v,n-dif}	R _a					T _s	R _s	A _s	T _{UV}		g _{tot}	class
11291	9	43	48	7,1	2,1	99	0	1	3	1	11	45	44	9	0,46	0,27	2
11345	14	41	45	7,5	6,9	98	0	1	2	2	14	43	43	14	0,45	0,27	2
11346	15	44	41	8,9	5,7	96	0	1	2	2	15	46	39	15	0,43	0,27	2
11347	12	44	44	8,3	3,6	97	0	1	3	1	13	46	41	12	0,41	0,27	2
11348	17	45	38	9,6	7,0	98	0	1	2	2	17	46	37	16	0,42	0,27	2
11349	10	43	47	7,7	1,8	99	0	1	3	1	12	47	41	10	0,37	0,27	2
11350	11	51	38	8,2	3,1	99	0	1	3	1	13	52	35	12	0,38	0,26	2
11351	10	47	43	6,7	3,4	99	0	1	3	1	12	49	39	11	0,38	0,27	2

Data is measured according to EN 410:2011 and EN 14500:2021. Calculations of g_{tot} are defined according to EN ISO 52022-1:2017 using solar control double glazing type D (g=0,32; U_g=1,1). Other glazing types can be calculated on request.

Classifications: 0 (very little effect), 1 (little effect), 2 (moderate effect), 3 (good effect) and 4 (very good effect) refer to EN 14501:2021.

Opera Alu 7%



Article		401103 
Width		290 cm / 114"
Base material		100 % polyester
Weight approx.	EN 12127	160 g/m ² / 4,7 oz/yd ²
Thickness approx.	EN ISO 5084	0,35 mm / 0,014"
Openness factor OF	EN 14500	7 %
Flame retardancy		B1 / B-s1,d0
Sound absorption	EN ISO 10534-2	$\alpha_w = 0,30$
Light fastness (window side)	EN ISO 105-B02	min. 5-6
Tensile properties: Determination of max. force Elongation at max. force	EN ISO 13934-1	warp: > 80 daN - weft: > 80 daN warp: approx. 16 % - weft: approx. 23 %
Suitable for moist atmosphere		no
Manufacturing guidance		to cut with ultrasonic knife, non-railroading (fabric length for drop)
Roll length approx.		40 m / 44 yd
Care instruction		brush off, vacuum cleaning

The information provided in this document do not exempt processors from carrying out own tests and trials as further handling and processing may show significant effects on our products. Application, utilization and processing of products are beyond our control and are therefore the sole responsibility of the processors.

All specifications are based on current knowledge and experience. They are based on average values and may deviate within the standard tolerance limits. Subject to technical modifications.

Product certificates and guarantees



REACH
compliant

Sustainable building certificates

All JM fabrics certified according to SCS Advantage™ Gold can contribute to credits in sustainable building certifications, such as DGNB, BREEAM and LEED.




made in Germany