



JM *Technical Textiles*

SCREEN
DIMOUT
BLACKOUT
ALUMINIUM
ACOUSTIC
MEDI CARE
FACADE

5%

3%

Duroscreen Alu

Duroscreen Alu 3%



10090 Black Marble



10314 Clay



10313 Alabaster



10301 Charcoal



10300 Siltstone



10081 Arctic Snow

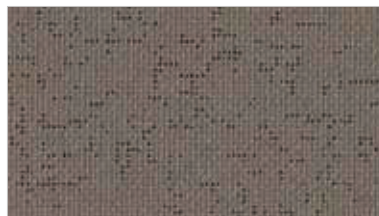


10422 Slate Grey

Duroscreen Alu 5%



10090 Black Marble



10314 Clay



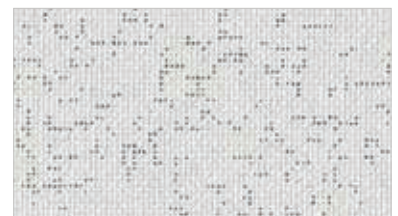
10313 Alabaster



10301 Charcoal



10300 Siltstone



10081 Arctic Snow



10422 Slate Grey

Duroscreen Alu 3%



PVC-free



very good glare control



good visual contact



good night privacy



brilliant colours despite aluminium coating



thin and light weight



high solar reflection (thermal comfort) of up to 82 %



extremely low thermal emissivity (low E)

colour	optical factors										thermal factors						
	fabric						classification				fabric				fabric + glazing		
	visible light (%)						glare control	night privacy	visual contact	daylight utilisation	solar radiation (%)				IR	glazing D g=0,32 U _g =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}	ε	g _{tot}	class
10081	3	80	17	2,4	1,0	99	3	2	2	1	3	81	16	3	0,08	0,24	2
10090	2	80	18	2,0	0,3	100	3	2	2	1	2	81	17	2	0,08	0,24	2
10300	3	80	17	2,8	0,3	99	3	2	2	1	3	81	16	3	0,11	0,24	2
10301	2	80	18	2,0	0,4	100	3	2	2	1	2	81	17	2	0,08	0,24	2
10313	3	80	17	2,6	0,8	99	3	2	2	1	3	82	15	3	0,08	0,23	2
10314	2	80	18	1,8	0,4	99	3	2	2	1	2	80	18	2	0,10	0,24	2
10422	2	80	18	2,0	0,3	100	3	2	2	1	2	80	18	2	0,09	0,24	2

Duroscreen Alu 5%



PVC-free



glare control



good visual contact



good night privacy



brilliant colours despite aluminium coating



thin and light weight



high solar reflection (thermal comfort) up to 80 %



extremely low thermal emissivity (low E)

colour	optical factors										thermal factors						
	fabric						classification				fabric				fabric + glazing		
	visible light (%)						glare control	night privacy	visual contact	daylight utilisation	solar radiation (%)				IR	glazing D g=0,32 U _g =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}	ε	g _{tot}	class
10081	7	78	15	5,1	1,4	99	1	2	2	1	7	79	14	5	0,11	0,24	2
10090	5	79	16	4,5	0,6	100	1	2	2	1	5	80	15	5	0,09	0,24	2
10300	6	79	15	4,5	1,0	100	1	2	2	1	6	79	15	5	0,11	0,24	2
10301	5	79	16	4,7	0,7	100	1	2	2	1	5	80	15	5	0,10	0,24	2
10313	6	79	15	4,4	1,5	99	1	2	2	1	6	80	14	5	0,11	0,24	2
10314	6	78	16	4,9	0,9	100	1	2	2	1	6	78	16	6	0,09	0,24	2
10422	6	78	16	5,0	0,7	100	1	2	2	1	6	80	14	6	0,09	0,24	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.

Duroscreen Alu 3%



Article		401083	70722	70822
Width		240 cm / 94"	89 mm / 3,5"	127 mm / 5"
Base material		100 % polyester	100 % polyester	100 % polyester
Weight approx.	EN 12127	210 g/m ² / 6,2 oz/yd ²	210 g/m ² / 6,2 oz/yd ²	210 g/m ² / 6,2 oz/yd ²
Thickness approx.	EN ISO 5084	0,36 mm / 0,014"	0,36 mm / 0,014"	0,36 mm / 0,014"
Openness factor OF	EN 14500	3 %	3 %	3 %
Flame retardancy		B1 / C1 / B-s2,d0 / NFPA 701/ CAN/ULC S109		
Sound absorption	EN ISO 10534-2	$\alpha_w = 0,35$	$\alpha_w = 0,35$	$\alpha_w = 0,35$
Light fastness (window side)	EN ISO 105-B02	7	7	7
Tensile properties: Determination of max. force Elongation at max. force	EN ISO 13934-1	warp: > 70 daN - weft: > 50 daN warp: approx. 15 % - weft: approx. 18 %		
Suitable for moist atmosphere		no	no	no
Manufacturing guidance		to cut with cold knife	weldable with welding agent, welding parameters must be tested in advance	
Roll length approx.		40 m / 44 yd	150 m / 164 yd	150 m / 164 yd
Care instruction		brush off, vacuum cleaning		

Duroscreen Alu 5%



Article		401084
Width		240 cm / 94"
Base material		100 % polyester
Weight approx.	EN 12127	195 g/m ² / 5,8 oz/yd ²
Thickness approx.	EN ISO 5084	0,36 mm / 0,014"
Openness factor OF	EN 14500	5 %
Flame retardancy		B1 / C1 / B-s2,d0
Sound absorption	EN ISO 10534-2	$\alpha_w = 0,20$
Light fastness (window side)	EN ISO 105-B02	7
Tensile properties: Determination of max. force Elongation at max. force	EN ISO 13934-1	warp: > 60 daN - weft: > 40 daN warp: approx. 15 % - weft: approx. 17 %
Suitable for moist atmosphere		no
Manufacturing guidance		to cut with cold knife
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.

