

# TENSILE ARCHITECTURE

## C l a s s i c r a n g e

**FLUOMAX™**  
PVDF LACQUERING



BOTH SIDE FLUORINATED UV TOP-COATED FABRICS

FLUOMAX™ / T0108 / 650 gr.

LIST OF PROPERTIES		MEASUREMENT METHODS/ CLASSIFICATIONS
		T0108
MATERIAL COMPOSITION		
BASE FABRIC	DIN ISO 2076	PES
YARN IN DTEX	DIN ISO 2060	1100
TOTAL WEIGHT IN GR./M²	EN ISO 2286-2	650
THICKNESS IN MM		0.55
TOP SURFACE TREATMENT		FINE-TUNED WELDABLE PVDF-LACQUER COMPOUND ON BOTH SIDES, LOW-WICK, MICROBIAL AND FUNGICIDE PROTECTED, UV-PROTECTED
BACK SURFACE TREATMENT		
MECHANICAL PROPERTIES		
TENSILE STRENGTH IN N/50 MM	EN ISO 1421/1	2900/2700
TEAR STRENGTH IN N	DIN 53363	300/300
ADHESION N/50 MM	EN ISO 2411	120
CRACK RESISTANCE	100000 X DIN 53359 A	NO CRACKS
PHYSICAL PROPERTIES		
LIGHT TRANSMITTANCE (%)	550 NM	9%
REFLECTION		87.5%
ABSORBTION		3.5%
LIGHT FASTNESS	DIN EN ISO 105 B02	7-8 NOTE
TEMPERATURE RESISTANCE		-30°C / +70°C
FIRE CLASSIFICATION		B1 (DIN4102), M2 (NFP 92507), EN13501-1:B-S2-D0, BS 7837, CALIFORNIA T19, GOST
WARRANTY (Y)		15 YEARS
STANDARD ROLL WIDTH	CM	250

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p r o c e s s e s



## FULL INTEGRATION AND IN-HOUSE SUPPLY-CHAIN CONTROL:

All capable resources are vertically fully integrated, making us the only full service provider able to offer the entire production process in-house. Our own portfolio ranges from chemicals to yarns, raw fabric and pigment pastes to coating and lacquering of technical textiles. Our capability is ensured through 5 coating techniques in 7 coating plants, 3 weaving units and one spinning mill all over Europe.

## One-g<sup>Θ</sup> COATING PRODUCTION SYSTEM

Our unique state-of-the-art machinery allows to coat back and front side of the fabrics in one run, avoiding stop-and-go in between the various layering and lacquering processes. Herewith the product is not exposed to unfavorable thermal or mechanical

shocks, so that the final product is unbeatable quality wise. The One-g<sup>Θ</sup> process provides an extraordinary product stability, flat stretched fabric with better overall distensile properties and short lead times.



**SIOEN** INDUSTRIES

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