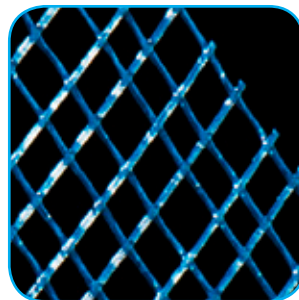
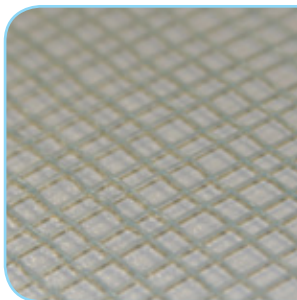


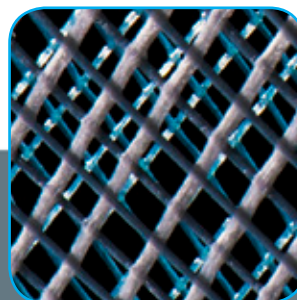
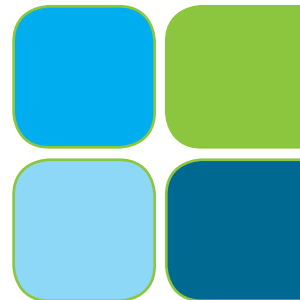
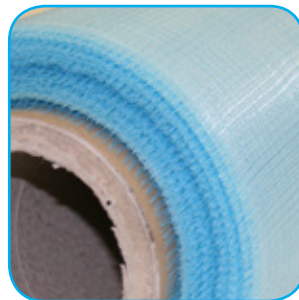
VERANNEMAN TECHNICAL TEXTILES

division of **SIOEN** INDUSTRIES



•NON-WOVEN
REINFORCEMENT
•INSULATION
MATERIALS

• ROOFING
MEMBRANES
•PVC FLOORING
•CARPETS AND
FLOORCOVERING



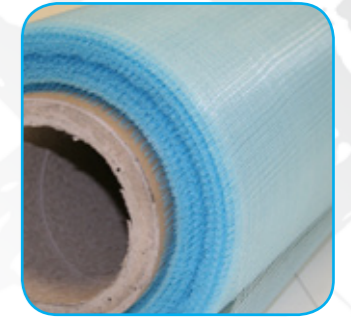
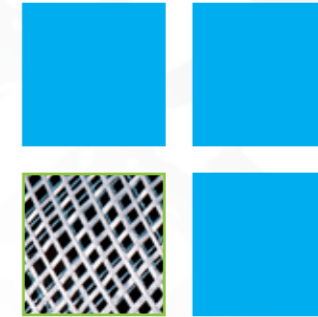
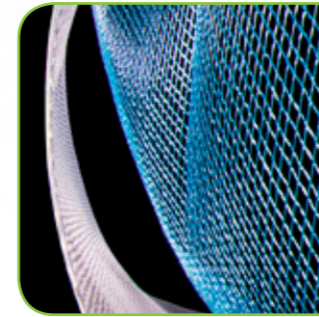
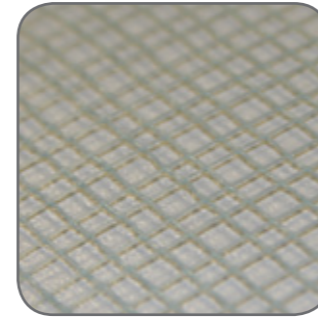
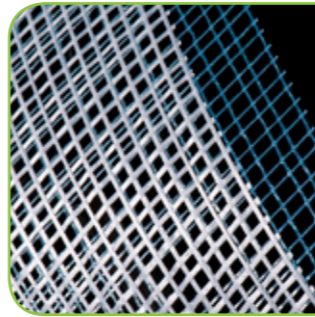
•PAPER
REINFORCEMENT
•PLASTIC FILMS
AND SHEETS

• LAID SCRIMS •

• G404080PG • G252501J1 • G252501B1 • G252501BA • G252536T1 •

OPEN SCRIMS

Open scrims or meshes are often the most effective and economic solution for flexible reinforcements. Due to the open construction and the chemical additives, the scrims allow to be fully incorporated in almost any material. A laid scrim looks like a grid where the yarns are laid rectangular and bonded by a chemical to hold the structure and stability of the scrim. We produce the scrims out of multifilament polyester or glass yarns mainly for the use as a reinforcement scrim in different applications.



CHARACTERISTICS

The difference with a woven scrim is the fact that a woven scrim has a mechanical and chemical bonding where the laid scrim is a flat structure grid with only a chemical bonding. The fact that the upper and lower warp in laid scrims will always be on the same side of the weft yarns guarantees that the warp yarns will always be under tension. Therefore tensile powers in warp direction will be absorbed immediately. Due to this effect, laid scrims often show a strongly reduced elongation.

Whilst woven products may be supplied loomstate, a laid scrim will always be impregnated. Sioen has an extensive knowledge in respect to which binder may be best suited to different applications. The choice of the right adhesive may enhance the bonding of the laid scrim with the final product considerably.

APPLICATIONS

The mechanical values of bitumen roof sheets are substantially improved by the use of scrims.

Materials that tend to tear easily, such as paper, foil or films from different plastics, will be prevented from tearing effectively by laminating these with laid scrims. When laminating a scrim between two layers of film or other materials, less adhesive will be needed and the cohesion of the laminate will be improved.

The production of scrims always requires a thermal drying process. This leads to preshrinking of the polyester and other thermoplastic yarns which will improve substantially subsequent treatments done by the customer.

		G404080PG • 30 g/m²	G252501J1 • 70 g/m²	
1	Fabric	100 % PES / 550 dtex	100 % PES / 550 dtex	
2	Weaving type	1/1	1/1	
3	Weight	Total	30 [+/-5] g/m ²	70 [+/-5] g/m ²
4		Fabric	23 g/m ²	28 g/m ²
5		Coating	7 g/m ²	42 g/m ²
6	Construction	Warp	4 thr/cm	2,5 (+/-0,15) thr/cm
7		Weft	4 thr/cm	2,5 (+/-0,15) thr/cm
8	Tensile Strength	Warp	> 320 N/5 cm	>= 400 N/5 cm
9		Weft	> 320 N/5 cm	>= 400 N/5 cm
10	Tensile Strength Elongation	Warp	> 15 %	> 18 %
11		Weft	> 15 %	> 18 %
12	Shrinkage at 200°C/10 min.	Warp	<= 2 %	<= 4,5 %
13		Weft	<= 2 %	<= 3,5 %
14	Thickness	0,36 (+/- 0,05) mm	0,28 (+/- 0,05) mm	
15	Temperature Resitance	-30/+70 °C	-30/+70 °C	
16	Light Fastness	(Except White) 360	-/-	
17	Fire behaviour	< 100 mm/min	-/- mm/min	
18	Application	Non woven reinforcement 390	Reinforcement scrim	

		G252501B1 • 85 g/m²	G252501BA • 85 g/m²	G252536T1 • 110 g/m²	
		100 % PES / 1100 dtex	100 % PES / 1100 dtex	100 % PES / 1100 dtex	
		1/1	1/1	1/1	
		85 [-5/+10] g/m ²	85 [-5/+10] g/m ²	110 [+/-5] g/m ²	DIN EN ISO 2286/2 1998
		55 g/m ²	55 g/m ²	55 g/m ²	
		30 g/m ²	30 g/m ²	55 g/m ²	
		2,5 (+/-0,15) thr/cm	2,5 (+/-0,15) thr/cm	2,5 (+/-0,15) thr/cm	EN ISO 1421/1 1998
		2,5 (+/-0,15) thr/cm	2,5 (+/-0,15) thr/cm	2,5 (+/-0,15) thr/cm	
		>= 900 N/5 cm	>= 900 N/5 cm	>= 900 N/5 cm	DIN 53354 1981
		>= 900 N/5 cm	>= 900 N/5 cm	>= 900 N/5 cm	
		> 18 %	> 18%	> 18 %	
		> 20 %	> 20%	> 20 %	DIN 5084
		<= 3 %	<= 3%	<= 3 %	
		<= 2 %	<= 2%	<= 2 %	DIN EN 1876/2 1998
		0,26 (+/- 0,05) mm	0,4 (+/- 0,05) mm	0,32 (+/- 0,05) mm	
		-30/+70 °C	-30/+70 °C	-30/+70 °C	ISO 105 B02 1988
		-/-	-/-	-/-	ISO 3795 1989
		-/- mm/min	-/- mm/min	-/- mm/min	
		Waterproofing membranes	Waterproofing membranes	Waterproofing membranes	



“Veranneman Technical Textiles is specialized in the production of impregnated open structure scrims. The open weave fabric is dip coated before being wound directly on the weaving loop (online coating). Main applications: reinforcement for PVC roofing and swimming pool membranes, non-woven filtration, construction, wind break nets and sign. Samples are available in 4 catalogues (sample books).

Veranneman Technical Textiles is a division of Sioen Industries. The group applies five main coating processes, at seven coating plants (4 in Belgium, 2 in France and 1 in Portugal), with some of the most advanced production lines in the world.”

VERANNEMAN TECHNICAL TEXTILES

SIOEN INDUSTRIES

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N°	EN	NL	F	DU	ES
1	fabric	weefsel	tissu	Gewebe	tejido
2	weaving type	binding	construction	Bindung	ligamento
3	weight	gewicht	poids	Gewicht	peso total
4	fabric	weefsel	tissu	Gewebe	tejido
5	coating	coating	enduction	Beschichtung	revestimiento
6	construction-warp	contextuur-ketting	contexture-chaîne	Konstruktion-Kette	textura urdimbre
7	construction-weft	contextuur-inslag	contexture-trame	Konstruktion-Schuß	textura trama
8	tensile strength -warp	treksterkte-ketting	résistance rupture-chaîne	Höchstzugkraft-Kette	resistencia a la ruptura-urdimbre
9	tensile strength -weft	treksterkte-inslag	résistance rupture-trame	Höchstzugkraft-Schuß	resistencia a la ruptura-trama
10	tensile strength elongation -warp	breukverlenging-ketting	allongement sous charge déterminée-chaîne	Reißdehnung-Kette	alargamiento a la ruptura-urdimbre
11	tensile strength elongation -weft	breukverlenging-inslag	allongement sous charge déterminée-trame	Reißdehnung-Schuß	alargamiento a la ruptura-trama
12	shrinkage at 200 °C/ 10 minutes-warp	krimp bij 200 °C/ 10 min-inslag	retrait à 200 °C/ 10 minutes-trame	Schrumpf nach 10 min. bei 200 °C-Schuß	encogimiento con 200 °C/ 10 minutos-trama
13	shrinkage at 200 °C/ 10 minutes-weft	krimp bij 200 °C/ 10 min-inslag	retrait à 200 °C/ 10 minutes-chaîne	Schrumpf nach 10 min. bei 200 °C- Kette	encogimiento con 200 °C/ 10 minutos-urdimbre
14	thickness	ketting			
15	temperature resistance	dikte	épaisseur	Dicke	espesor
16	light fastness (except white)	temperatuurbestendigheid	tenue à la température	Temperaturbeständigkeit	resistencia a la temperatura
17	fire behaviour	lichtechtheid (uitgezonderd wit)	tenue à la lumière (excepté en blanc)	Lichtechtheit (außer Weiß)	resistencia a la luz (excepto blanco)
18	application	brandgedrag	résistance au feu	Brennverhalten	comportamiento al fuego
		toepassing	application	Anwendung	aplicación