



## Saatilene Hitech Screen Printing Fabrics

The Saatilene range of monofilament polyester screen fabrics is considered to be the best all round material for screen printing. The excellent dimensional stability of Saatilene Hitech gives exceptional results across the whole range of screen printing applications.

### Fabric Tension

To get the best possible results and optimum life from a screen it is essential that the fabric is correctly tensioned. Mesh that is too slack will give poor definition and registration. Screens that are too tight could cause the frame to distort or bow, or cause premature splitting. Fabric should be tensioned using mechanical or pneumatic stretching devices and a Saati Tension Measuring Gauge to measure the tension. Recommended tensions are listed in the following tables.

### Screen Making Service

Our seven regional screen making departments offer a full screen stretching service onto either new or customer's own frames. Contact your local Customer Service Centre for details.

### Screen Preparation and Reclamation

Recommendations for the selection and use of screen adhesives, mesh preparation and screen reclamation chemicals can be found in the 'Screen Chemicals Application Guide'.

### Availability

Thread counts between 34 and 180 threads per centimetre. Most mesh counts are available in White or Ultra Orange colours and in a variety of roll widths (see table below for details). For details of other mesh grades available, contact your local Customer Service Centre..

### Saatilene Hitech Fabric Specifications

Reference	Weave	Threads per cm	Thread Diameter Microns	Roll Widths & Colour				Open Area %	Fabric Thickness Micron	Theo. Ink Volume cm <sup>3</sup> /m <sup>2</sup>	Maximum* Tension N/cm
				1.07m	1.31m	1.55m	2.04m				
34.100	1:1	34	100	-	-	-	W	41	179	73	25
43.80	1:1	43	80	-	-	W	W/UO	43	140	60	25
49.70	1:1	49	70	-	UO	W	W	40	128	51	25
55.64	1:1	55	64	-	-	-	W/UO	41	115	47	25
62.64	1:1	62	64	-	-	W/UO	W/UO	32	116	37	25
71.55	1:1	71	55	-	-	UO	W	33	100	33	24
77.48	1:1	77	48	-	-	-	UO	36	86	31	22
77.55	1:1	77	55	-	W/UO	UO	W/UO	28	100	28	22
90.40	1:1	90	40	-	UO	-	UO	38	68	26	28
90.48	1:1	90	48	UO	-	W/UO	W/UO	27	87	23	32
100.40	1:1	100	40	-	W/UO	UO	W/UO	31	68	21	30
110.34	1:1	110	34	-	-	UO	UO	35	56	20	25
110.40	1:1	110	40	-	-	W/UO	-	26	69	18	30
120.31	1:1	120	31	-	UO	-	-	40	50	20	24
120.34	2:1	120	34	-	UO	UO	UO	31	64	20	27
120.34	1:1	120	34	UO	UO	UO	W/UO	29	55	16	27
120.40	2:1	120	40	-	UO	W	W/UO	23	74	17	32
120.40	1:1	120	40	-	-	UO	W/UO	20	67	13	32
130.34	2:1	130	34	-	-	UO	-	28	63	18	25
140.31	1:1	140	31	-	UO	-	-	28	55	15	24
140.34	2:1	140	34	-	-	UO	UO	20	64	13	25
140.34	1:1	140	34	-	UO	UO	UO	16	58	9	25
150.31	1:1	150	31	-	UO	-	UO	20	49	10	24
150.34	2:1	150	34	-	-	UO	W/UO	17	63	11	25
150.34	1:1	150	34	-	UO	UO	UO	13	56	7	25
165.31	2:1	165	31	-	-	UO	-	24	63	15	24
165.34	2:1	165	34	UO	-	UO	UO	16	66	11	25
180.31	2:2	180	31	UO	-	UO	UO	17	61	10	24

\* Maximum recommended tension during stretching.

*The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of our Company, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information sheet out of date and users are requested to ensure that they follow current recommendations.*

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