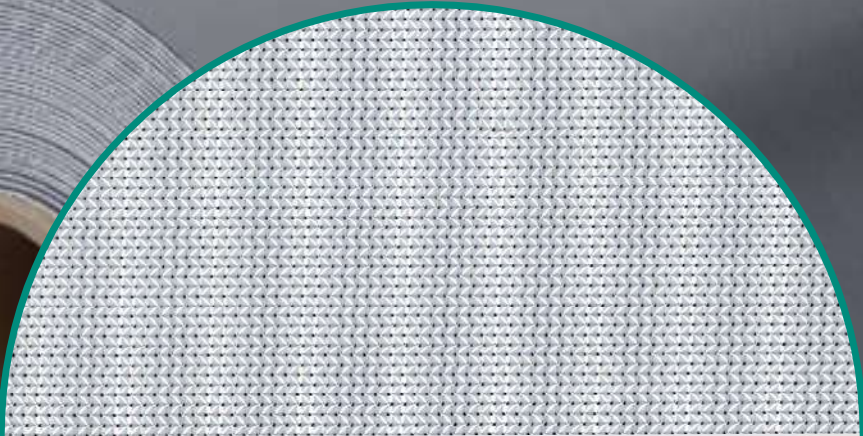


Textiles for Roofing

WEFTTRONIC® II RS

High-performance warp-knitting machine with course-oriented weft-insertion for production of grid structures

Article no.	11087		
	end use	coating substrates	
Machine	type	WEFTTRONIC® II RS	
	gauge	E 18=18 Needles per inch resp.needles/25,4mm	
	machine width	268 inch	
	number of guide bars	2	
Production			
Fabric Parameters	fabric weight	180 g/sqm greige fabric	
	courses	7,1 courses/cm	
	wales		
	fabric width		
Yarn	GB2: polyester high tenacity	80 dtex	
	FB3: polyester high tenacity	840 den	
	Weft: polyester high tenacity	1000 den	
	GB 2	FB 3	weft- insertion
Threading	full	full	full
Chain notation	1-0/1-2//	0-0//	
Output	<u>up to 870 m²/h – see calculation example</u>		



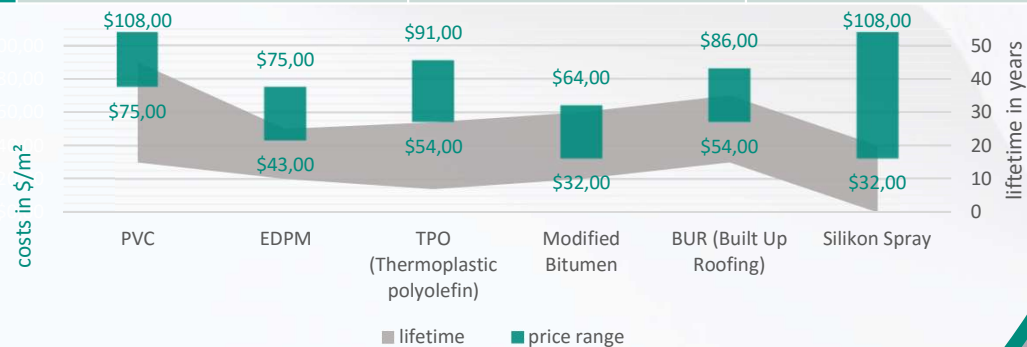
Calculation Example

working width: w= 6,80 [m] = 268 [inch]
machine speed: s= 1500 [courses/min]
courses: c= 7 [courses/cm]

output: $\frac{w \cdot s \cdot 60 \text{ [min/h]}}{c \cdot 100 \text{ [cm/m]}} \text{ [m}^2\text{/h]}$
874,29 [m²/h]

Textiles for Roofing

Type	PVC	EDPM Rubber	TPO
Advantage	<ul style="list-style-type: none"> Extra strong and durable - minimum pressure point 300 pounds/inch (200dpi is required by industry) Impermeable to water Very energy-efficient due to solar reflection 	<ul style="list-style-type: none"> Cost-effective compared to PVC Consists of recycled material in certain proportions - environmentally friendly 	<ul style="list-style-type: none"> Energy-efficient compared to PVC and EDPM as it is easier to obtain in white Similar to EDPM but with durability properties like PVC
Lifetime	15 – 30 years	10 – 15 years	7 – 20 years
Price/m ²	75-108\$	43-75\$	54-91\$



TECHNICAL TEXTILES
产业用纺织品

WEFTTRONIC® II RS



available machine configurations:

- working width:** 138", 186", 213", 268"
- gauge:** E9, E10, E12, E14, E16, E18, E22, E24
- materials:** e.g. polyester, fibre glass, polypropylen