

Textiles for Road Construction

RS MSUS-V

High-performance warp-knitting machine with course-oriented weft-insertion for the production of heavyweight fabrics

Article no.	10997			
end use	Lattice structure			
lapping				
Machine	type	RS MSUS-V		
	gauge	E 3 = 3 Needles per inch resp. needles/25,4mm		
	machine width	213 inch		
	number of guide bars	3		
Production				
Fabric Parameters	fabric weight	2750 g/sqm greige fabric		
	courses	3+4,5 courses/cm (multispeed)		
	wales			
	fabric width			
Yarn	GB1: polyester 334 dtex x 2			
	GB2: polyester 334 dtex x 2			
	FB3: polyester high tenacity 246400 dtex			
	Weft: polyester high tenacity 66000 dtex			
Threading	GB 1	GB 2	FB3	weft-insertion
	5full/3out	4full/4out	4full/4out	10full/10out
	1-0/0-1//	0-0/2-2//	0-0/0-0//	
Finishing	coating epoxy resin			
Output	Up to: 275 m ² /h - see calculation example			



Calculation Example

working width: w= 5,40 [m] = 213 [inch]
machine speed: s= 320 [courses/min]
courses: c= 3,75 [courses/cm]

output:
$$\frac{w \cdot s \cdot 60 \text{ [min/h]}}{c \cdot 100 \text{ [cm/m]}} \text{ [m}^2\text{/h]}$$
276,48 [m²/h]