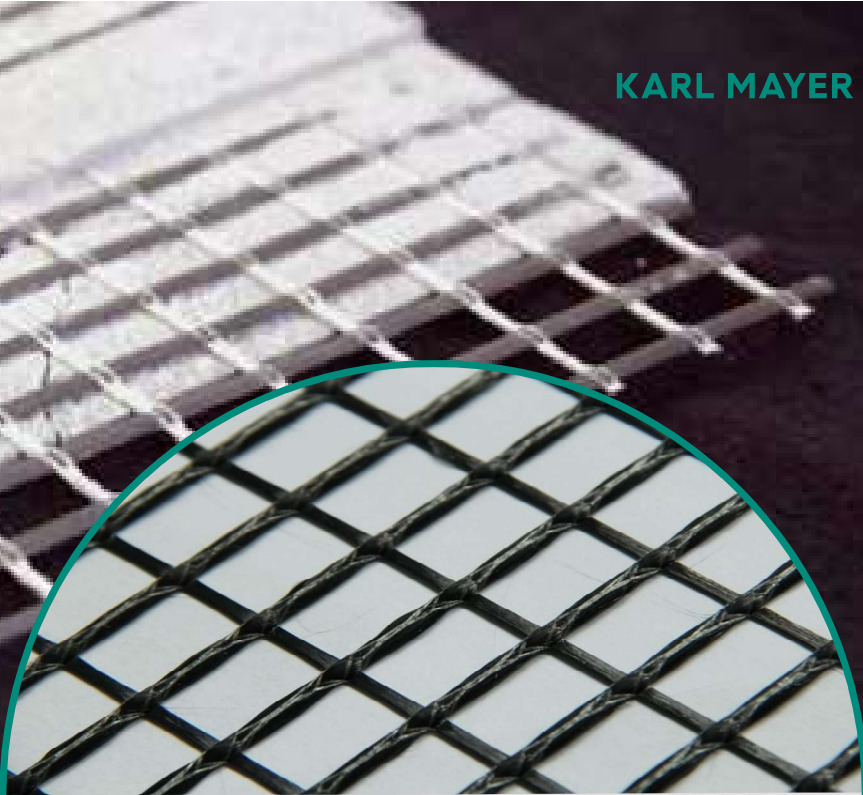


Textiles for Structural Components

RS MSUS-G/HG

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

Article no.	11062			
	end use	textile reinforced concrete		
	lapping			
Machine	type	RS MSUS-G/HG		
	gauge	E 6 = 6 Needles per inch resp. needles/25,4mm		
	machine width	138 inch		
	number of guide bars	3		
Production				
Fabric Parameters	fabric weight	315 g/sqm greige fabric equals 350 g/sqm finished fabric		
	courses	2,77 courses/cm		
	wales			
	fabric width			
Yarn	GB1: polypropylene 110 dtex f 32			
	GB2: polypropylene 110 dtex f 32			
	FB3: 48 K carbon 3200 tex			
	Weft: 12 K carbon 800 tex			
	GB 1	GB 2	FB3	weft-insertion
Threading	1full/2out	1full/2out	1full/2out	1full/4out
	1-0/1-2//	1-2/1-0//	0-0/0-0//	
Finishing	coating epoxy resin			
Output	Up to: 960 m ² /h - see calculation example			



Calculation Example

working width: w= 4,47 [m] = 176 [inch]
machine speed: s= 1000 [courses/min]
courses: c= 2,77 [courses/cm]

output: $\frac{w \cdot s \cdot 60 \text{ [min/h]}}{c \cdot 100 \text{ [cm/m]}} \text{ [m}^2\text{/h]}$
968,23 [m²/h]