

# ProRox WM 100

## GENERAL DESCRIPTION

ProRox WM 100 is a stone wool wired mat particularly elastic, due to an innovative manufacturing process. It also possesses excellent thermal insulation properties. A galvanised wire mesh (25 x 0.7 mm in compliance with EN 10223-2) is quilted onto one side of the ProRox WM 100 with galvanised wire.

## APPLICATION

ProRox WM 100 is used for high temperature insulation of flat and curved surfaces of industrial and power generating plants (boilers, furnaces, ducts, process, pipework, tanks and vessels). The wired mat may also be used in applications for improving fire resistance and acoustic properties.

## TECHNICAL PARAMETERS

Property	Performance										Unit	Standard	
Reaction to fire	A1											EN 13501-1	
Melting point	> 1000										°C	DIN 4102-17	
Nominal density	$\rho$	100										Kg/m <sup>3</sup>	
Maximum service temperature	660										°C	EN 14706	
Thermal conductivity	$t_m$	50	100	150	200	250	300	400	500	600	°C	EN 12667	
	$\lambda$	0,039	0,045	0,051	0,059	0,067	0,078	0,102	0,131	0,167	W/(mK)		
Specific thermal capacity	$C_p$	1030										J/(kgK)	EN 12524
Water vapour resistance factor	$\mu$	1,3											EN 12086
AS Quality	Application in connection with austenitic steels											EN 13468 e AGI Q 132	
Water absorption	$\leq 1$										kg/m <sup>2</sup>	EN 1609	

## DIMENSIONS AND PRODUCED RANGE

Thickness (mm)	30	40	50	60	70	80	90	100	120
Length (mm)	6000	5000	4000	3000	2500	2500	2000	2000	2000
Width (mm)	1000								
m <sup>2</sup> /pallet	126,0	105,0	84,0	63,0	52,5	52,5	42,0	42,0	42,0

Available on request with stainless steel mesh and stitching wire (ProRox WM 100 SW).

Any information contained in this document describes the product properties applicable as at the time of issue. Please require from your supplier always the most recent issue of this technical datasheet, because with respect to continuous product development, we retain the right to change some values without prior notice.