

# FLEXYFOAM DATA SHEETS

PVC Foam

Technical Data			Types							
			M-40	M-48	M-55	M-75	ET-75	M-90	M-130	M-200
NOMINAL DENSITY	ISO 845	Kg/m <sup>3</sup>	40	48	60	80	80	100	130	200
THERMAL CONDUCTIVITY COEFF.	ISO 830	W/m K	0,031	0,031	0,031	0,033	0,033	0,035	0,039	0,048
THERMAL BENDING STABILITY	DIN 53424	°C	80	80	85	85	100	90	95	100
MINIMUM TEMPERATURE TESTED		°C	-200	-200	-200	-200	-200	-200	-200	-200
FIRE RESISTING PROPERTY	ASTM D 1692-67T		M2	M2	M2	M2	M2	M2	M2	M2
THERMAL EXPANSION COEFF.		x10 <sup>-6</sup> °C	40	40	40	35	35	35	30	25
COMPRESSIVE MODULUS	DIN 53421	N/mm <sup>2</sup>	34	34	58	83	83	110	155	260
COMPRESSIVE STRENGTH	ISO 844	N/mm <sup>2</sup>	0,45	0,60	0,85	1,30	1,30	1,90	2,60	4,80
TENSIL MODULUS	DIN 53457	N/mm <sup>2</sup>	28	28	45	63	63	81	115	180
TENSIL STRENGTH	DIN 53571	N/mm <sup>2</sup>	0,70	1,10	1,30	2,00	2,00	2,70	3,80	6,20
SHEAR MODULUS	ASTM C393	N/mm <sup>2</sup>	13	15	22	30	30	38	50	75
SHEAR STRENGTH	ISO 1922	N/mm <sup>2</sup>	0,45	0,55	0,8	1,2	1,2	1,6	2,3	3,5
FLEXURAL MODULUS	ISO 1209	N/mm <sup>2</sup>	24	32	40	70	70	80	120	160
BENDING STRENGTH	DIN 53423	N/mm <sup>2</sup>	0,6	1,0	1,4	2,1	2,1	2,5	3,0	3,5
STYRENE ABSORPTION		g/m <sup>2</sup>	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
WATER ABSORPTION	ASTM 272	Kg/m <sup>2</sup>	0,09	0,09	0,07	0,06	0,06	0,04	0,03	0,02
STANDARD DIMENSIONS		mm	<b>1330x2850</b>	1270x2730	<b>1150x2450</b>	1020x2180	1000x2150	950x2050	850x1900	750x1600
<b>NEW SMALL DIMENSIONS</b>		<b>mm</b>	<b>?</b>	<b>1250x1700</b>	1150x1600	<b>1080x1500</b>	<b>1000x1420</b>	<b>980x1350</b>	<b>850x1200</b>	<b>750x1020</b>



## G. ANGELONI SRL

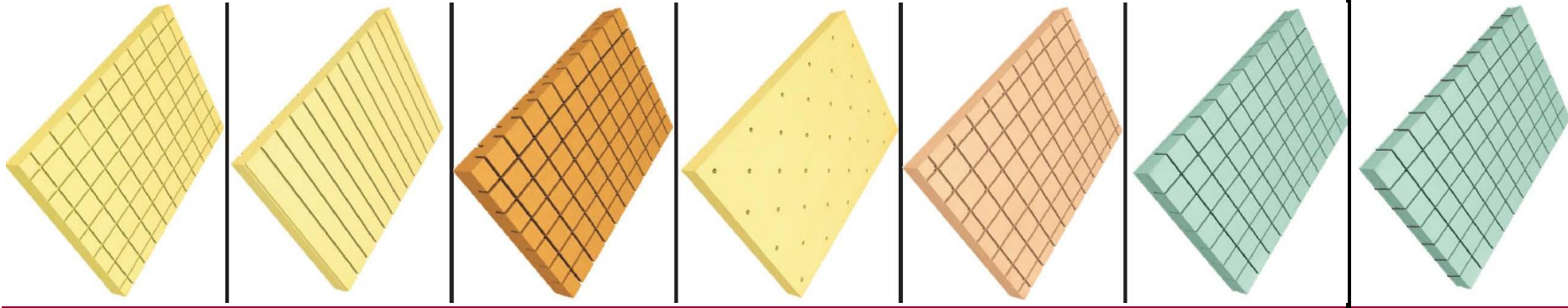
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# FLEXYFOAM FINISHING

PVC Foam



GR 2

GR 1

FLEX

PN

GR 2 + PN

SCRIM

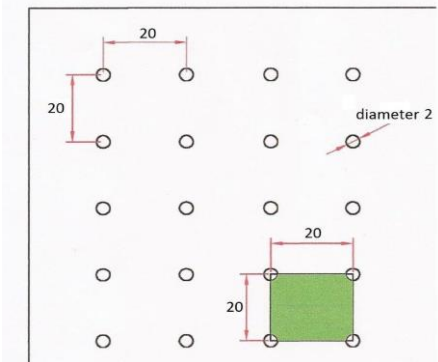
SCRIM + HL

Grooves:	Grooves:	Squares:		Squares:	Squares:	Squares:
<b>GR2</b> = 20x20 mm cut : - width 2 mm - depth 2mm	<b>GR1</b> = 20 mm cut : - width 2 mm - depth 2mm	Width cut 2mm <b>STANDARD:</b> squares 30x30 mm thickness over 25mm: squares 40x40 mm <b>OPTION:</b> squares 20x20 mm		<b>GR2</b> = 20x20 mm cut : - width 2 mm - depth 2mm	Width cut 2mm <b>STANDARD:</b> SCRIM=thickness up to 25mm: squares 30x30 mm thickness over 25mm: squares 40x40 mm <b>OPTION:</b> squares 20x20 mm	Width cut 2mm <b>STANDARD:</b> SCRIM20 = squares 20x20mm
			<b>Punched diameter 2mm</b>	<b>Punched diameter 2mm</b>		<b>Punched diameter 2mm in the middle of each cut</b>
			Distance holes: <b>STANDARD:</b> PN2 = 20x20 mm <b>OPTIONS:</b> PN2R=20x20 mm Rhombus PN4 =40x40 mm PN4R=40x40 mm Rhombus (see drawings below)	Distance holes: <b>STANDARD:</b> PN2 = 20x20 mm <b>OPTIONS:</b> PN2R=20x20 mm Rhombus PN4 =40x40 mm PN4R=40x40 mm Rhombus (see drawings below)		

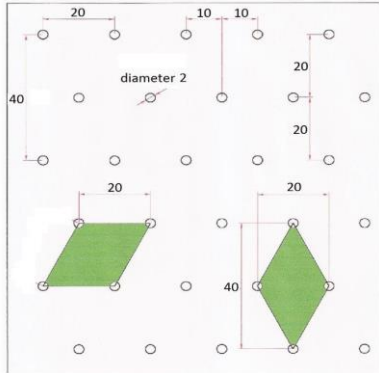
# PVC FOAM DRAWINGS

Distance Holes

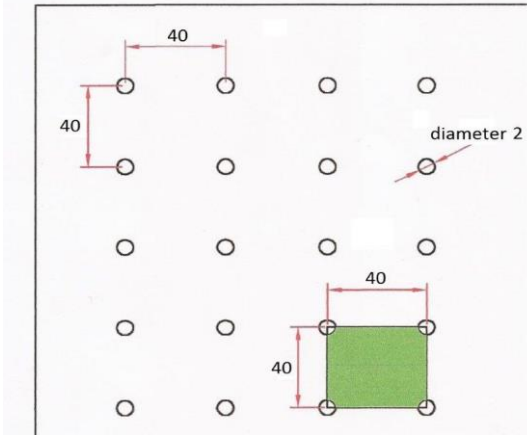
**PN2 = 20X20 mm Square - standard perforation**



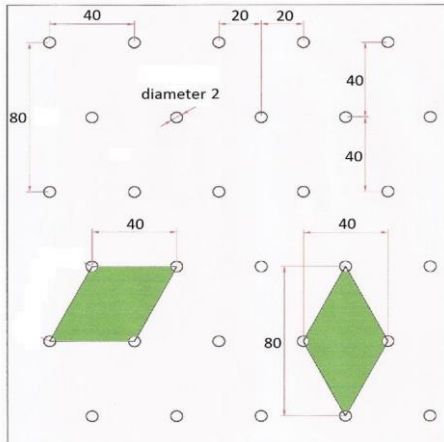
**PN2R = 20X20 mm Rhombus - optional perforation**



**PN4 = 40X40 mm Square - optional perforation**



**PN4R = 40X40 mm Rhombus - optional perforation**



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