

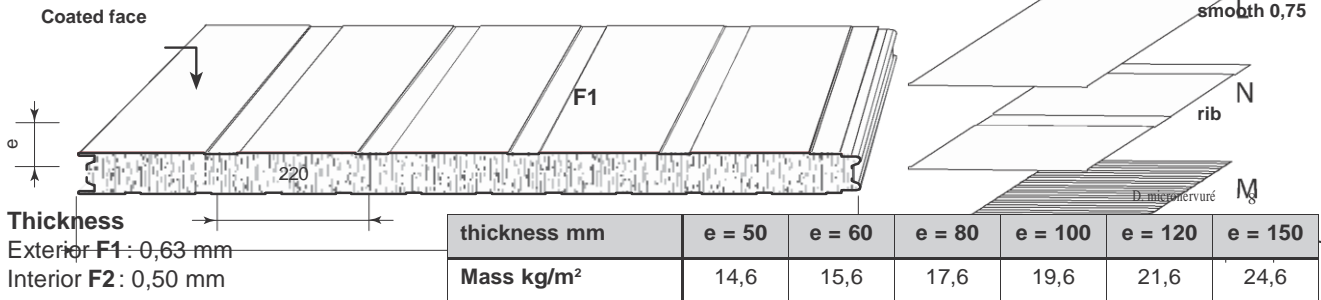
# Monolaine B

Rock wool core sandwich panel for cladding



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DTA N° 2/14-1640



The precoated face is the face F1 unless special instructions.

## TABLE OF APPROVED (IN METERS) PRESSURE RANGE

The table shows the permissible spans under the normal (unweighted) pressure exerted by the wind for the different thicknesses of the panel as a function of the number of bearings for an arrow of 1/200.

Loads daN/m <sup>2</sup>	Thickness en mm									
	e = 50		e = 60		e = 80		e = 100		e = 120 à 150	
Pressure										
50	3,50	3,40	4,00	3,90	4,90	4,50	5,50	5,00	6,00	5,00
60	3,10	2,90	3,50	3,35	4,30	4,20	5,00	4,40	5,65	4,40
70	2,80	2,55	3,15	2,90	3,90	3,65	4,45	3,85	5,05	3,85
80	2,55	2,30	2,90	2,60	3,55	3,25	4,00	3,40	4,60	3,40
100	2,20	1,95	2,45	2,15	3,05	2,65	3,40	2,85	4,00	2,85
110	2,10	1,80	2,30	2,00	2,85	2,40	3,20	2,60	3,75	2,60
120	2,05	1,70	2,15	1,85	2,65	2,20	3,00	2,40	3,60	2,40
130	1,95	1,60	2,10	1,70	2,45	2,05	2,85	2,25	3,40	2,25
140	1,90	1,50	2,00	1,60	2,30	1,90	2,70	2,10	3,30	2,10
150	1,85	1,40	1,90	1,55	2,20	1,80	2,60	2,00	3,15	2,00

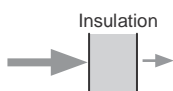
The pressure presses the panels on its supports

Please consult us for other load values and / or with internal frame fixing.

## THERMAL INSULATION SMOOTH, RIBBED, MICRONERVURED

Coefficient U thermal conductivity according to NF EN 14509 (W/m<sup>2</sup>.K)

(R: Thermal Resistance = 1/U)



Ep. mm	e = 50	e = 60	e = 80	e = 100	e = 120	e = 150
U	0,760	0,647	0,499	0,406	0,339	0,274

## PROGRAMME DE FABRICATION (Manufacturing parameters)

<b>LENGTHS</b>	Standard lengths from 2000 to 10000 mm.
<b>STEEL</b>	Continuous galvanized steel sheet S320GD.
<b>STEEL SURFACE</b>	Exterior facing available in smooth (L), micro-ribbed (M) or ribbed (N). Interior veneer available in smooth (L) or ribbed (N).
<b>COATINGS</b>	Standard pre-paints: Polyester 15 µ and 25 µ - Polyurethane 35 µ - PVDF 25 µ - Metallized. Others: contact us.
<b>COLORS</b>	See color chart.
<b>PROTECTION</b>	The protective film usually applied to coated coatings must be removed immediately.
<b>INSULATION</b>	Wool of mass of density 100 kg / m <sup>3</sup> . Reaction to fire classification M0.
<b>BONDING</b>	Two-component polyurethane adhesive.
<b>FIRE REACTION</b>	Defined for the panel: A2-s1, do.
<b>RESISTANCE TO FIRE</b>	Partition fire fire (EI) 90 mn and 120 mn - consult us.

## NORMES

<b>GALVANISED STEEL</b>	NF EN 10346 / P 34-310
<b>COATING</b>	NF EN 10169-1 / XP P 34-301.
<b>USE</b>	According to Technical advice (vertical and horizontal installation)

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## VÉRIFICATION EN DÉPRESSION

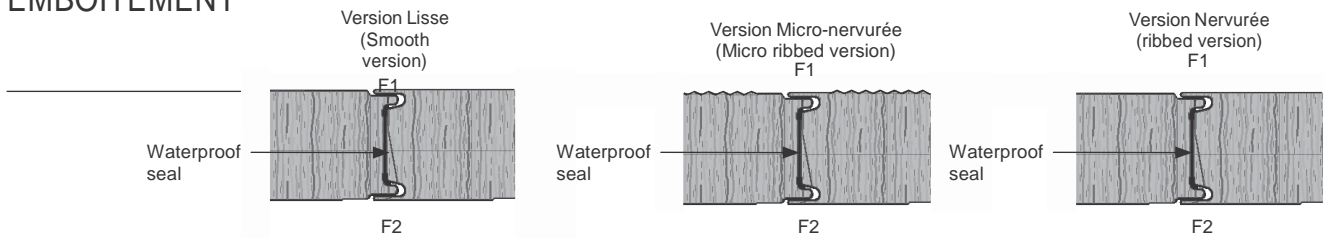
The tables show the permissible bearing range under the normal (unweighted) wind-induced negative pressure action for the different panel thicknesses according to the number of supports and the number of fixings for an arrow of 1/200.

Loads daN/m <sup>2</sup>		Case with 2 fixings per panel width and per support									
		thickness mm									
		e = 50		e = 60		e = 80		e = 100		e = 120 à 150	
Dépression 	50	3,25	3,10	4,00	3,60	4,80	4,25	5,35	4,25	5,80	4,25
	60	2,90	2,70	3,45	2,85	4,50	3,55	4,70	3,55	5,10	3,55
	70	2,60	2,40	3,05	2,75	3,95	3,00	4,25	3,00	4,55	3,00
	80	2,40	2,20	2,80	2,45	3,50	2,65	3,90	2,65	4,15	2,65
	90	2,25	2,00	2,60	2,25	3,15	2,35	3,60	2,35	3,80	2,35
	100	2,10	1,85	2,40	2,05	2,90	2,10	3,35	2,10	3,60	2,10
	110	2,00	1,65	2,25	1,90	2,75	1,90	3,15	1,90	3,45	1,90
Dépression mainly acts on fasteners	140	1,75	1,30	1,95	1,50	2,35	1,50	2,55	1,50	3,00	1,50
	150	1,70	1,25	1,90	1,40	2,25	1,40	2,40	1,40	2,90	1,40

Loads daN/m <sup>2</sup>		Case with 3 fixings per panel and per support									
		Thickness in mm									
		e = 50		e = 60		e = 80		e = 100		e = 120 à 150	
Dépression 	50	3,25	3,10	4,00	3,60	4,80	4,50	5,35	4,80	5,80	4,80
	60	2,90	2,70	3,45	2,85	4,50	4,00	4,70	4,05	5,10	4,05
	70	2,60	2,40	3,05	2,75	3,95	3,50	4,25	3,50	4,55	3,50
	80	2,40	2,20	2,80	2,45	3,50	3,10	3,90	3,10	4,15	3,10
	90	2,25	2,00	2,60	2,25	3,15	2,80	3,60	2,80	3,80	2,80
	100	2,10	1,85	2,40	2,05	2,90	2,55	3,35	2,55	3,60	2,55
	110	2,00	1,65	2,25	1,90	2,75	2,35	3,15	2,35	3,45	2,35
Dépression mainly acts on fasteners	120	1,90	1,55	2,15	1,75	2,60	2,15	2,90	2,15	3,30	2,15
	130	1,80	1,40	2,05	1,60	2,50	2,00	2,70	2,00	3,15	2,00
	150	1,70	1,25	1,90	1,40	2,25	1,75	2,40	1,75	2,90	1,75

## EMBOITEMENT



## DÉSIGNATION POUR COMMANDE DE PANNEAUX IDENTIQUES EXEMPLE

Name of panel, thickness (e) and Length (L) ..... Monolaine B 60 length 6300 mm  
 Thickness F1, color and type of coating ..... 0.63 M (Micronervurée), Ivory 1013, polyester 25 µm.  
 Thickness F2, color and type of coating ..... 0.50 N (Ribbed), White 901, polyester 15 µm.

## ACCESSORIES AND FOLDED PARTS

Monopanel offers a complete range of standard accessories required for the installation of Monolaine B panels.  
 Others consult us.

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 Internet : www.monopanel.fr