General notes on span tables for wall panels

Note the following:

- The characteristic loads are to be determined according to the terms of valid standards and eurocodes.
- Choose the minimal supporting width from wind pressure and wind suction for the respective case of application.
- Colour groups I (very light), II (light) and III (dark) – see approval.
- This span table is valid for buildings with normal interior climate (no cold store or ripening facilities).
- Valid supporting widths are stated in meters (m), necessary support widths in millimetres (mm), see example below.
- Deflection amounts to a maximum of L/200 under consideration of all unfavourable loads according to approval.
- The stated supporting widths apply to multi-span beams and direct attachment up to max. 5 screws per intermediate support line and meter. When using more than 5 screws per meter, the crush tension needs to be checked according the requirements of the approval.
- In each case a separate proof for fixing material is required (for tensile load of wind suction and temperature, for pulling-out of the subconstruction and for screw-head-deflection).

Example:

From wind pressure table:

40	→ end support width necessary (mm)
5,05	→ valid supporting width (m)
60	→ intermediate support width necessary (mm)

From wind suction table:

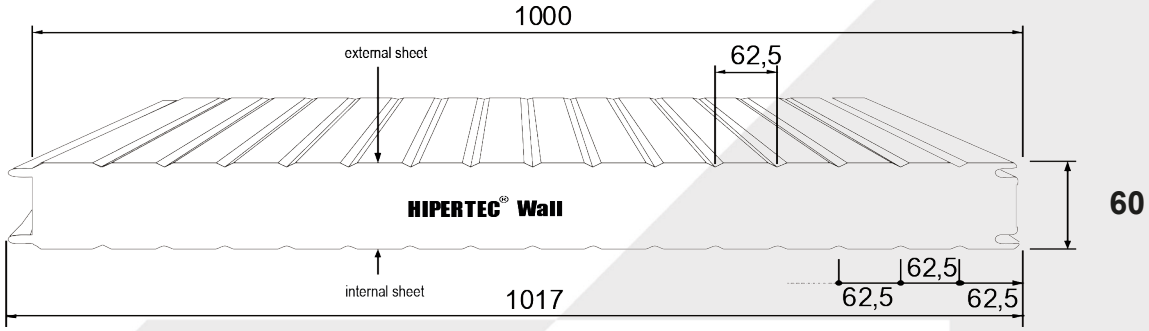
4,73	→ valid supporting width (m)

valid supporting width = 4,73 m (lowest value of both tables)

Span table 61-06
As of 12 / 2018

Hipertec Wall 60 mm
t_N = 0,60 / 0,60 mm

Max. valid supporting widths stated in the following table are calculated according to approval Z-10.49-517 with additions from 18th of August 2011 in accordance with assessment Z-1256 from 30th of January 2013 according to EN 14509. Instructions for the application of the table can be gathered from the front page.



Wind Pressure Loads

Stat. System	Colour Group	Wind Pressure Load in kN / m²										
		0,25	0,30	0,40	0,50	0,60	0,80	1,00	1,25	1,50	1,75	2,00
single span	I, II, III	40 **7,00**	40 **6,39**	40 **5,24**	40 **4,19**	40 **3,49**	40 **2,62**	40 **2,09**	40 **1,67**	40 **1,39**	40 **1,19**	40 **1,04**
dual span	I	40 **6,22** 60	40 **5,75** 60	40 **5,10** 60	40 **4,19** 60	40 **3,49** 60	40 **2,62** 60	40 **2,09** 60	40 **1,67** 60	40 **1,39** 60	40 **1,19** 60	40 **1,04** 60
	II	40 **6,22** 60	40 **5,75** 60	40 **5,10** 60	40 **4,19** 60	40 **3,49** 60	40 **2,62** 60	40 **2,09** 60	40 **1,67** 60	40 **1,39** 60	40 **1,19** 60	40 **1,04** 60
	III	40 **2,00** 60	40 **2,00** 60	40 **2,00** 60	40 **2,00** 60	40 **2,00** 60	40 **2,00** 60	40 **2,00** 60	40 **1,67** 60	40 **1,39** 60	40 **1,19** 60	40 **1,04** 60
multiple span	I	40 **7,00** 60	40 **6,39** 60	40 **5,24** 60	40 **4,19** 60	40 **3,49** 60	40 **2,62** 60	40 **2,09** 60	40 **1,67** 60	40 **1,39** 60	40 **1,19** 60	40 **1,04** 60
	II	40 **7,00** 60	40 **6,39** 60	40 **5,24** 60	40 **4,19** 60	40 **3,49** 60	40 **2,62** 60	40 **2,09** 60	40 **1,67** 60	40 **1,39** 60	40 **1,19** 60	40 **1,04** 60
	III	40 **2,38** 60	40 **2,38** 60	40 **2,38** 60	40 **2,38** 60	40 **2,38** 60	40 **2,38** 60	40 **2,09** 60	40 **1,67** 60	40 **1,39** 60	40 **0,81** 60	40 **0,71** 60

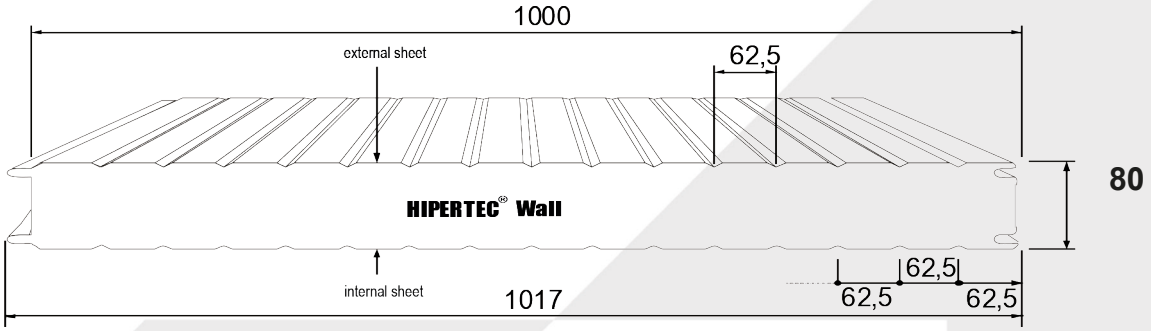
Wind Suction Loads

Stat. System	Colour Group	Wind Suction Load in kN / m²										
		0,25	0,30	0,40	0,50	0,60	0,80	1,00	1,25	1,50	1,75	2,00
single span	I, II, III	**5,90**	**5,75**	**5,24**	**4,19**	**3,49**	**2,62**	**2,09**	**1,67**	**1,39**	**1,19**	**1,04**
dual span	I	**6,08**	**5,62**	**4,97**	**4,19**	**3,49**	**2,62**	**2,09**	**1,67**	**1,39**	**1,19**	**1,04**
	II	**3,70**	**3,54**	**3,30**	**3,12**	**2,98**	**2,62**	**2,09**	**1,67**	**1,39**	**1,19**	**1,04**
	III	**1,92**	**1,91**	**1,89**	**1,86**	**1,84**	**1,81**	**1,78**	**1,67**	**1,39**	**1,19**	**1,04**
multiple span	I	**7,38**	**6,73**	**5,24**	**4,19**	**3,49**	**2,62**	**2,09**	**1,67**	**1,39**	**1,19**	**1,04**
	II	**5,86**	**5,39**	**4,74**	**4,19**	**3,49**	**2,62**	**2,09**	**1,67**	**1,39**	**1,19**	**1,04**
	III	**2,12**	**2,09**	**2,02**	**1,98**	**1,94**	**1,86**	**1,80**	**1,00**	**0,78**	**0,70**	**0,65**

Span table 61-08
As of 12 / 2018

Hipertec Wall 80 mm
t_N = 0,60 / 0,60 mm

Max. valid supporting widths stated in the following table are calculated according to approval Z-10.49-517 with additions from 18th of August 2011 in accordance with assessment Z-1256 from 30th of January 2013 according to EN 14509. Instructions for the application of the table can be gathered from the front page.



Wind Pressure Loads

Stat. System	Colour Group	Wind Pressure Load in kN / m²										
		0,25	0,30	0,40	0,50	0,60	0,80	1,00	1,25	1,50	1,75	2,00
single span	I, II, III	40 **8,10**	40 **7,39**	40 **6,40**	40 **5,61**	40 **4,68**	40 **3,50**	40 **2,80**	40 **2,24**	40 **1,87**	40 **1,60**	40 **1,40**
dual span	I	40 **7,21** 60	40 **6,67** 60	40 **5,92** 65	40 **5,42** 75	40 **4,68** 78	40 **3,50** 77	40 **2,80** 77	40 **2,24** 77	40 **1,87** 77	40 **1,60** 77	40 **1,40** 77
	II	40 **7,21** 60	40 **6,67** 60	40 **5,92** 65	40 **5,42** 75	40 **4,68** 78	40 **3,50** 77	40 **2,80** 77	40 **2,24** 77	40 **1,87** 77	40 **1,60** 77	40 **1,40** 77
	III	40 **2,34** 60	40 **2,34** 60	40 **2,34** 60	40 **2,34** 60	40 **2,34** 60	40 **2,34** 60	40 **2,80** 65	40 **2,24** 77	40 **1,87** 78	40 **1,60** 77	40 **1,40** 77
multiple span	I	40 **8,10** 60	40 **7,39** 61	40 **6,40** 61	40 **5,61** 78	40 **4,68** 78	40 **3,50** 77	40 **2,80** 77	40 **2,24** 77	40 **1,87** 77	40 **1,60** 77	40 **1,40** 77
	II	40 **8,10** 60	40 **7,39** 61	40 **6,40** 71	40 **5,61** 78	40 **4,68** 78	40 **3,50** 77	40 **2,80** 77	40 **2,24** 77	40 **1,87** 77	40 **1,60** 77	40 **1,40** 77
	III	40 **2,82** 60	40 **2,82** 60	40 **2,82** 60	40 **2,82** 60	40 **2,82** 60	40 **2,82** 62	40 **2,80** 77	40 **2,24** 77	40 **1,87** 78	40 **1,60** 77	40 **1,40** 77

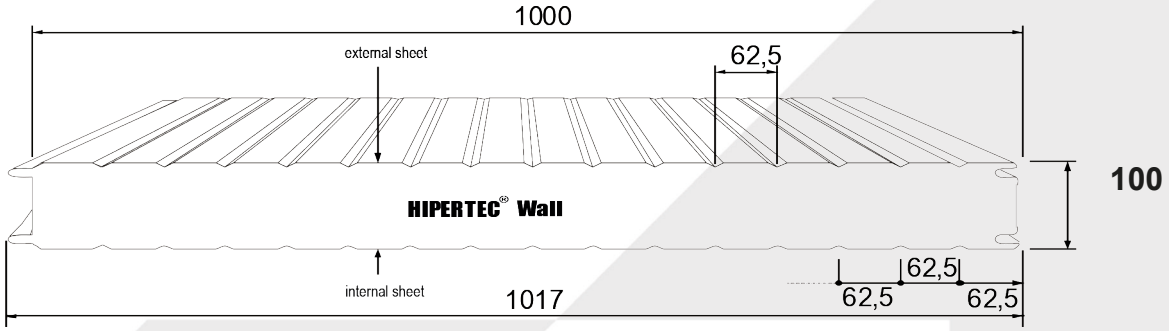
Wind Suction Loads

Stat. System	Colour Group	Wind Suction Load in kN / m²										
		0,25	0,30	0,40	0,50	0,60	0,80	1,00	1,25	1,50	1,75	2,00
single span	I, II, III	**7,61**	**7,40**	**6,75**	**5,61**	**4,68**	**3,50**	**2,80**	**2,24**	**1,87**	**1,60**	**1,40**
dual span	I	**7,05**	**6,51**	**5,77**	**5,27**	**4,68**	**3,50**	**2,80**	**2,24**	**1,87**	**1,60**	**1,40**
	II	**4,32**	**4,13**	**3,84**	**3,64**	**3,48**	**3,24**	**2,80**	**2,24**	**1,87**	**1,60**	**1,40**
	III	**2,26**	**2,24**	**2,22**	**2,19**	**2,17**	**2,12**	**2,80**	**2,04**	**1,87**	**1,60**	**1,40**
multiple span	I	**8,54**	**7,79**	**6,75**	**5,61**	**4,68**	**3,50**	**2,80**	**2,24**	**1,87**	**1,60**	**1,40**
	II	**6,79**	**6,25**	**5,49**	**4,98**	**4,60**	**3,50**	**2,80**	**2,24**	**1,87**	**1,60**	**1,40**
	III	**2,50**	**2,46**	**2,38**	**2,32**	**2,26**	**2,18**	**2,10**	**2,04**	**1,87**	**1,60**	**1,40**

Span table 61-10
As of 12 / 2018

Hipertec Wall 100 mm
t_N = 0,60 / 0,60 mm

Max. valid supporting widths stated in the following table are calculated according to approval Z-10.49-517 with additions from 18th of August 2011 in accordance with assessment Z-1256 from 30th of January 2013 according to EN 14509. Instructions for the application of the table can be gathered from the front page.



Wind Pressure Loads

Stat. System	Colour Group	Wind Pressure Load in kN / m²										
		0,25	0,30	0,40	0,50	0,60	0,80	1,00	1,25	1,50	1,75	2,00
single span	I, II, III	40 **9,06**	40 **8,28**	40 **7,17**	44 **6,41**	49 **5,85**	49 **4,39**	49 **3,52**	49 **2,81**	49 **2,34**	49 **2,01**	49 **1,76**
dual span	I	40 **8,09** 60	40 **7,49** 62	40 **6,65** 74	42 **6,08** 84	47 **5,67** 94	49 **4,39** 97	49 **3,21** 97	49 **2,81** 97	49 **2,34** 97	49 **2,01** 97	49 **1,76** 97
	II	40 **8,09** 60	40 **7,49** 62	40 **6,65** 74	42 **6,08** 84	47 **5,67** 94	49 **4,39** 97	49 **3,52** 97	49 **2,81** 97	49 **2,34** 97	49 **2,01** 97	49 **1,76** 97
	III	40 **2,67** 60	40 **2,67** 60	40 **2,67** 60	40 **2,67** 60	40 **2,67** 60	40 **2,67** 60	40 **2,67** 74	46 **2,67** 92	49 **2,34** 97	49 **2,01** 97	49 **1,76** 97
multiple span	I	40 **9,06** 63	40 **8,28** 69	40 **7,17** 79	44 **6,41** 89	49 **5,85** 97	49 **4,39** 97	49 **3,52** 97	49 **2,81** 97	49 **2,34** 97	49 **2,01** 97	49 **1,76** 97
	II	40 **9,06** 63	40 **8,28** 69	40 **7,17** 79	44 **6,41** 89	49 **5,85** 97	49 **4,39** 97	49 **3,52** 97	49 **2,81** 97	49 **2,34** 97	49 **2,01** 97	49 **1,76** 97
	III	40 **3,20** 60	40 **3,20** 60	40 **3,20** 60	40 **3,20** 60	40 **3,20** 60	40 **3,20** 71	44 **3,20** 80	49 **2,81** 97	49 **2,34** 97	49 **2,01** 97	49 **1,76** 97

Wind Suction Loads

Stat. System	Colour Group	Wind Suction Load in kN / m²										
		0,25	0,30	0,40	0,50	0,60	0,80	1,00	1,25	1,50	1,75	2,00
single span	I, II, III	**9,24**	**8,72**	**7,55**	**6,76**	**5,86**	**4,39**	**3,52**	**2,81**	**2,34**	**2,01**	**1,76**
dual span	I	**7,90**	**7,31**	**6,48**	**5,91**	**5,50**	**4,39**	**3,52**	**2,81**	**2,34**	**2,01**	**1,76**
	II	**4,88**	**4,66**	**4,34**	**4,11**	**3,93**	**3,66**	**3,46**	**2,81**	**2,34**	**2,01**	**1,76**
	III	**2,57**	**2,55**	**2,52**	**2,49**	**2,46**	**2,41**	**2,36**	**2,32**	**2,28**	**2,01**	**1,76**
multiple span	I	**9,56**	**8,72**	**7,55**	**6,76**	**5,86**	**4,40**	**3,52**	**2,81**	**2,34**	**2,01**	**1,76**
	II	**7,61**	**7,00**	**6,16**	**5,58**	**5,16**	**4,39**	**3,52**	**2,81**	**2,34**	**2,01**	**1,76**
	III	**2,84**	**2,78**	**2,70**	**2,63**	**2,57**	**2,47**	**2,38**	**2,30**	**2,24**	**2,01**	**1,76**

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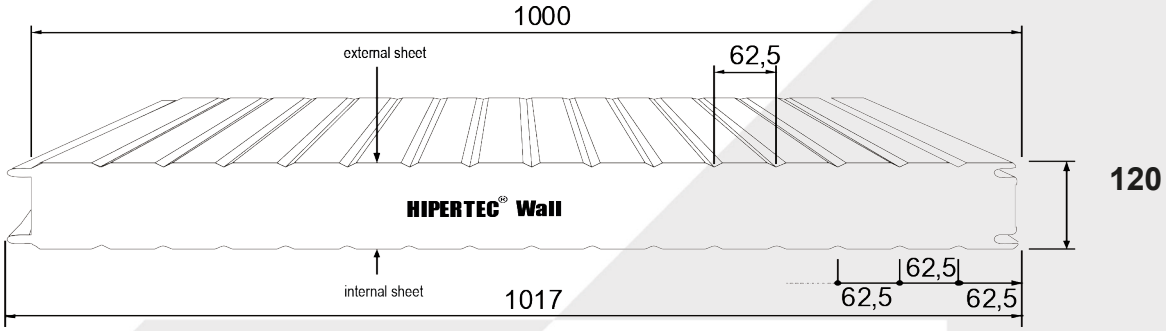
Span table 61-12
As of 12 / 2018

Hipertec Wall 120 mm
t_N = 0,60 / 0,60 mm

Max. valid supporting widths stated in the following table are calculated according to approval Z-10.49-517 with additions from 18th of August 2011 in accordance with assessment Z-1256 from 30th of January 2013 according to EN 14509. Instructions for the application of the table can be gathered from the front page.



Wind Pressure Loads

Stat. System	Colour Group	Wind Pressure Load in kN / m²										
		0,25	0,30	0,40	0,50	0,60	0,80	1,00	1,25	1,50	1,75	2,00
single span	I, II, III	40 **9,94**	40 **9,07**	43 **7,86**	49 **7,03**	53 **6,41**	58 **5,28**	58 **4,22**	58 **3,38**	58 **2,82**	58 **2,41**	58 **2,11**
dual span	I	40 **8,89** 61	40 **8,23** 68	40 **7,32** 81	46 **6,69** 92	52 **6,24** 103	58 **5,28** 117	58 **4,22** 117	58 **3,38** 117	58 **2,82** 117	58 **2,41** 117	58 **2,11** 117
	II	40 **8,89** 61	40 **8,23** 68	40 **7,32** 81	46 **6,69** 92	52 **6,24** 103	58 **5,28** 117	58 **4,22** 117	58 **3,38** 117	58 **2,82** 117	58 **2,41** 117	58 **2,11** 117
	III	40 **2,98** 60	40 **2,98** 60	40 **2,98** 60	40 **2,98** 60	40 **2,98** 60	40 **2,98** 66	41 **2,98** 82	51 **2,98** 103	58 **2,82** 117	58 **2,41** 117	58 **2,11** 117
multiple span	I	40 **9,94** 69	40 **9,07** 75	43 **7,86** 87	49 **7,03** 97	53 **6,41** 106	58 **5,28** 117	58 **4,22** 117	58 **3,38** 117	58 **2,82** 117	58 **2,41** 117	58 **2,11** 117
	II	40 **9,94** 69	40 **9,07** 75	43 **7,86** 87	49 **7,03** 97	53 **6,41** 106	58 **5,28** 117	58 **4,22** 117	58 **3,38** 117	58 **2,82** 117	58 **2,41** 117	58 **2,11** 117
	III	40 **3,35** 60	40 **3,35** 60	40 **3,35** 60	40 **3,35** 60	40 **3,35** 60	40 **3,35** 79	49 **3,35** 99	58 **3,35** 117	58 **2,82** 117	58 **2,41** 117	58 **2,11** 117

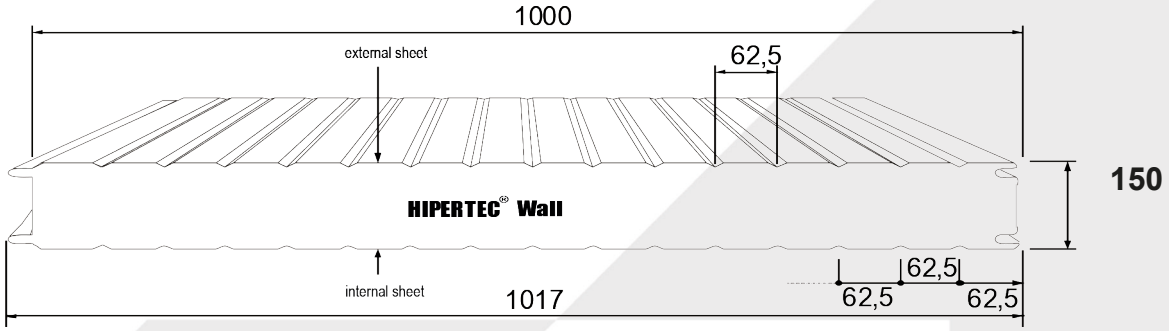
Wind Suction Loads

Stat. System	Colour Group	Wind Suction Load in kN / m²										
		0,25	0,30	0,40	0,50	0,60	0,80	1,00	1,25	1,50	1,75	2,00
single span	I, II, III	**10,48**	**9,56**	**8,28**	**7,41**	**6,76**	**5,28**	**4,22**	**3,38**	**2,82**	**2,41**	**2,11**
dual span	I	**8,69**	**8,03**	**7,12**	**6,50**	**6,05**	**5,28**	**4,22**	**3,38**	**2,82**	**2,41**	**2,11**
	II	**5,39**	**5,15**	**4,80**	**4,54**	**4,34**	**4,04**	**3,83**	**3,38**	**2,82**	**2,41**	**2,11**
	III	**2,86**	**2,84**	**2,80**	**2,77**	**2,74**	**2,68**	**2,63**	**2,58**	**2,82**	**2,41**	**2,11**
multiple span	I	**10,48**	**9,56**	**8,28**	**7,41**	**6,76**	**5,28**	**4,22**	**3,38**	**2,82**	**2,41**	**2,11**
	II	**8,36**	**7,69**	**6,76**	**6,13**	**5,67**	**5,03**	**4,22**	**3,38**	**2,82**	**2,41**	**2,11**
	III	**3,15**	**3,10**	**3,00**	**2,92**	**2,86**	**2,74**	**2,65**	**2,56**	**2,48**	**2,41**	**2,11**

Span table 61-15
As of 12 / 2018

Hipertec Wall 150 mm
t_N = 0,60 / 0,60 mm

Max. valid supporting widths stated in the following table are calculated according to approval Z-10.49-517 with additions from 18th of August 2011 in accordance with assessment Z-1256 from 30th of January 2013 according to EN 14509. Instructions for the application of the table can be gathered from the front page.



Wind Pressure Loads

Stat. System	Colour Group	Wind Pressure Load in kN / m²										
		0,25	0,30	0,40	0,50	0,60	0,80	1,00	1,25	1,50	1,75	2,00
single span	I, II, III	40 **11,62**	44 **10,61**	51 **9,19**	57 **8,22**	62 **7,50**	72 **6,50**	73 **5,29**	73 **4,23**	73 **3,53**	73 **3,02**	73 **2,64**
dual span	I	40 **10,91** 75	42 **10,07** 84	49 **8,90** 98	56 **8,11** 112	62 **7,50** 124	72 **6,50** 114	73 **5,29** 146	73 **4,23** 146	73 **3,53** 146	73 **3,02** 146	73 **2,64** 146
	II	40 **9,98** 69	41 **9,98** 83	49 **8,90** 98	56 **8,11** 112	62 **7,50** 124	72 **6,50** 114	73 **5,29** 146	73 **4,23** 146	73 **3,53** 146	73 **3,02** 146	73 **2,64** 146
	III	40 **3,13** 60	40 **3,13** 60	40 **3,13** 60	40 **3,13** 60	40 **3,13** 62	40 **3,13** 70	43 **3,13** 87	54 **3,13** 108	65 **3,13** 130	73 **3,02** 146	73 **2,64** 146
multiple span	I	40 **11,62** 80	44 **10,61** 88	51 **9,19** 102	57 **8,22** 114	62 **7,50** 124	72 **6,50** 114	73 **5,29** 146	73 **4,23** 146	73 **3,53** 146	73 **3,02** 146	73 **2,64** 146
	II	40 **11,62** 80	44 **10,61** 88	51 **9,19** 102	57 **8,22** 114	62 **7,50** 124	72 **6,50** 114	73 **5,29** 146	73 **4,23** 146	73 **3,53** 146	73 **3,02** 146	73 **2,64** 146
	III	40 **3,40** 60	40 **3,40** 60	40 **3,40** 60	40 **3,40** 60	40 **3,40** 60	40 **3,40** 75	47 **3,40** 94	59 **3,40** 117	70 **3,40** 141	73 **3,02** 146	73 **2,64** 146

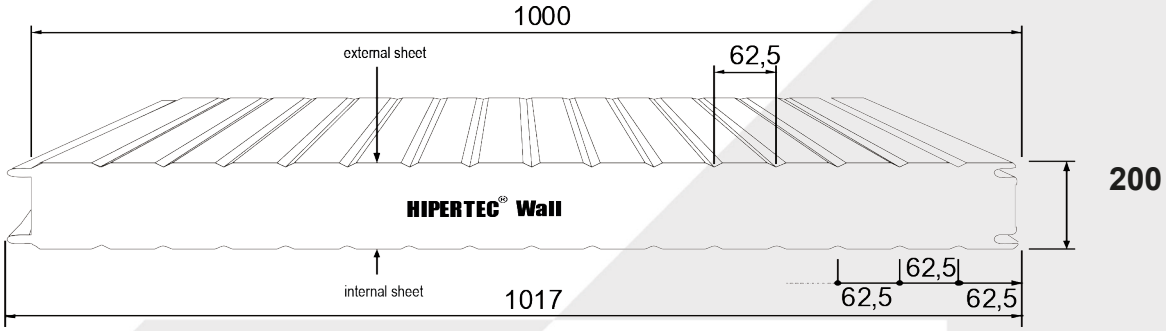
Wind Suction Loads

Stat. System	Colour Group	Wind Suction Load in kN / m²										
		0,25	0,30	0,40	0,50	0,60	0,80	1,00	1,25	1,50	1,75	2,00
single span	I, II, III	**12,06**	**11,01**	**9,54**	**8,53**	**7,78**	**6,61**	**5,29**	**4,23**	**3,53**	**3,02**	**2,64**
dual span	I	**9,17**	**8,50**	**7,57**	**6,93**	**6,46**	**5,80**	**5,29**	**4,23**	**3,53**	**3,02**	**2,64**
	II	**5,52**	**5,32**	**5,00**	**4,76**	**4,58**	**4,29**	**4,08**	**3,88**	**3,53**	**3,02**	**2,64**
	III	**3,03**	**3,01**	**2,98**	**2,94**	**2,92**	**2,86**	**2,82**	**2,76**	**2,72**	**2,67**	**2,64**
multiple span	I	**12,06**	**11,01**	**9,54**	**8,53**	**7,78**	**6,61**	**5,29**	**4,23**	**3,53**	**3,02**	**2,64**
	II	**8,61**	**7,94**	**7,01**	**6,38**	**5,92**	**5,28**	**4,84**	**4,23**	**3,53**	**3,02**	**2,64**
	III	**3,14**	**3,10**	**3,04**	**2,98**	**2,92**	**2,82**	**2,75**	**2,67**	**2,60**	**2,54**	**2,49**

Span table 61-20
As of 12 / 2018

Hipertec Wall 200 mm
t_N = 0,60 / 0,60 mm

Max. valid supporting widths stated in the following table are calculated according to approval Z-10.49-517 with additions from 18th of August 2011 in accordance with assessment Z-1256 from 30th of January 2013 according to EN 14509. Instructions for the application of the table can be gathered from the front page.



Wind Pressure Loads

Stat. System	Colour Group	Wind Pressure Load in kN / m²										
		0,25	0,30	0,40	0,50	0,60	0,80	1,00	1,25	1,50	1,75	2,00
single span	I, II, III	46 **13,44**	51 **12,26**	59 **10,62**	66 **9,50**	72 **8,67**	83 **7,51**	93 **6,72**	98 **5,65**	98 **4,71**	98 **4,04**	98 **3,53**
dual span	I	44 **12,65** 87	48 **11,67** 97	57 **10,31** 114	95 **9,39** 130	72 **8,67** 144	83 **7,51** 166	93 **6,72** 186	98 **5,65** 195	98 **4,71** 195	98 **4,04** 195	98 **3,53** 195
	II	41 **11,87** 82	48 **11,67** 97	57 **10,31** 114	95 **9,39** 130	72 **8,67** 144	83 **7,51** 166	93 **6,72** 186	98 **5,65** 195	98 **4,71** 195	98 **4,04** 195	98 **3,53** 195
	III	40 **3,63** 60	40 **3,63** 60	40 **3,63** 64	40 **3,63** 67	41 **3,63** 71	44 **3,63** 81	50 **3,63** 100	63 **3,63** 125	75 **3,63** 151	88 **3,63** 176	98 **3,53** 195
multiple span	I	46 **13,44** 93	51 **12,26** 102	59 **10,62** 117	66 **9,50** 131	72 **8,67** 144	83 **7,51** 166	93 **6,72** 186	98 **5,65** 195	98 **4,71** 195	98 **4,04** 195	98 **3,53** 195
	II	46 **13,44** 93	51 **12,26** 102	59 **10,62** 117	66 **9,50** 131	72 **8,67** 144	83 **7,51** 166	93 **6,72** 186	98 **5,65** 195	98 **4,71** 195	98 **4,04** 195	98 **3,53** 195
	III	40 **3,98** 60	40 **3,98** 60	40 **3,98** 60	40 **3,98** 60	40 **3,98** 66	44 **3,98** 88	55 **3,98** 110	69 **3,98** 138	83 **3,98** 165	96 **3,98** 193	98 **3,53** 195

Wind Suction Loads

Stat. System	Colour Group	Wind Suction Load in kN / m²										
		0,25	0,30	0,40	0,50	0,60	0,80	1,00	1,25	1,50	1,75	2,00
single span	I, II, III	**13,94**	**12,72**	**11,02**	**9,86**	**9,00**	**7,79**	**6,97**	**5,65**	**4,71**	**4,04**	**3,53**
dual span	I	**10,63**	**9,85**	**8,76**	**8,03**	**7,48**	**6,72**	**6,20**	**5,65**	**4,71**	**4,04**	**3,53**
	II	**6,41**	**6,17**	**5,80**	**5,53**	**5,31**	**4,97**	**4,73**	**4,49**	**4,30**	**4,04**	**3,53**
	III	**3,51**	**3,49**	**3,45**	**3,41**	**3,38**	**3,32**	**3,26**	**3,20**	**3,14**	**3,10**	**3,05**
multiple span	I	**13,94**	**12,72**	**11,02**	**9,86**	**9,00**	**7,79**	**6,97**	**5,65**	**4,71**	**4,04**	**3,53**
	II	**10,00**	**9,22**	**8,14**	**7,41**	**6,87**	**6,12**	**5,61**	**5,15**	**4,71**	**4,04**	**3,53**
	III	**3,66**	**3,61**	**3,53**	**3,46**	**3,39**	**3,28**	**3,19**	**3,10**	**3,02**	**2,95**	**2,88**