

## Content overview

### Support width table

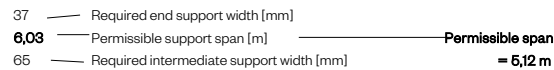
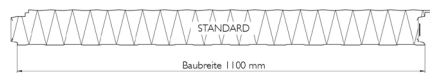
- Explanations to the tables
- BRUCHAPaneel panel PUR/PIR facade FP60 0.6-0.5
- BRUCHAPaneel panel PUR/PIR facade FP80 0.6-0.5
- BRUCHAPaneel panel PUR/PIR facade FP100 0.6-0.5
- BRUCHAPaneel panel PUR/PIR facade FP120 0.6-0.5
- BRUCHAPaneel panel PUR/PIR facade FP140 0.6-0.5
- BRUCHAPaneel panel PUR/PIR facade FP150 0.6-0.5
- BRUCHAPaneel panel PUR/PIR facade FP160 0.6-0.5

# BRUCHA Panel panel PUR/PIR facade

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| <b>The following must be observed when applying the tables:</b>  |
| • The characteristic stresses are to be determined according to the relevant regulations (e.g. DIN standards, Eurocodes).  |
| • The minimum support span from the two tables (from wind pressure or wind suction) corresponding to the respective application case is to be selected.  |
| • For two- and three-span girders, only approximately equal span ratios are permissible (approx. $1.1 \leq \min. l / \max. l \leq 0.9$ ).  |
| • Colour groups I (very light), II (light) and III (dark) see approval, par. 3.1.2. or EN 14509, Annex E, par. E.3.3.  |
| • The table of span widths applies to buildings with a normal indoor climate (e.g. no cold, deep-freeze or ripening halls or also increased indoor temperatures).  |
| • Permissible spans are given in metres [m]. For the reading of the required support widths, see also the reading example below.<br>The support widths shown in the tables apply to the maximum specified support spans and can be further reduced for smaller support spans if necessary. |
| • The deflection is a maximum of $l/100$ taking into account all unfavourable stresses in accordance with approval/EN 14509.   |
| • The specified spans are only valid for multi-span girders and direct fixing up to a maximum of 5 bolts per intermediate support line and metre.<br>For more than 5 bolts per metre, the spans or buckling stresses must be checked according to the approval requirements.               |
| • In each individual case, the verifications of the fastenings must be (tensile stress from wind suction and temperature, for tearing out of the substructure as well as the screw head deflection) must be provided in each individual case.  |
| • In the case of deviating static systems, e.g. unequal spans, cantilevers, etc., or other loads, investigations are always required for the corresponding individual case.  |
| • The specified approvals/type approvals in conjunction with EN 14509 are the basis. This applies in particular with regard to the load factors, combination coefficients and material safety factors.   |
| • The special notes regarding the load capacities, the calculation parameters and their monitoring can be found in the type statics.   |
| • The application of the tables must be checked in each individual case with regard to these aforementioned bases and boundary conditions.<br>Otherwise, corresponding individual investigations (object-related structural analysis) are required.  |
| • Profile 4 on the outer shell and profile 1 on the inner shell were used to determine the span table.   |
| • Status April 2021  |

### Application example

from table wind pressure



from table wind suction



# BRUCHAPaneel panel PUR/PIR facade



## Wall component FP60 - 0.6/0.5 - Wind pressure

| Section | FG | Wind pressure kN/m² |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|----|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|         |    | 0,10                | 0,20 | 0,30 | 0,40 | 0,50 | 0,60 | 0,70 | 0,80 | 0,90 | 1,00 | 1,10 | 1,20 | 1,30 | 1,40 | 1,50 | 1,60 | 1,70 | 1,80 | 1,90 | 2,00 |
| 1       |    | 40                  | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 42   | 44   | 46   | 48   | 50   | 52   | 53   | 55   | 56   | 58   | 59   |
|         | 1  | 10,80               | 8,48 | 7,33 | 6,40 | 5,72 | 5,23 | 4,84 | 4,53 | 4,27 | 4,05 | 3,86 | 3,70 | 3,55 | 3,42 | 3,31 | 3,20 | 3,10 | 3,02 | 2,94 | 2,86 |
|         |    | 40                  | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 42   | 44   | 46   | 48   | 50   | 52   | 53   | 55   | 56   | 58   | 59   |
|         | 2  | 10,80               | 8,48 | 7,33 | 6,40 | 5,72 | 5,23 | 4,84 | 4,53 | 4,27 | 4,05 | 3,86 | 3,70 | 3,55 | 3,42 | 3,31 | 3,20 | 3,10 | 3,02 | 2,94 | 2,86 |
|         |    | 40                  | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 42   | 44   | 46   | 48   | 50   | 52   | 53   | 55   | 56   | 58   | 59   |
|         | 3  | 10,81               | 8,48 | 7,33 | 6,40 | 5,72 | 5,23 | 4,84 | 4,53 | 4,27 | 4,05 | 3,86 | 3,70 | 3,55 | 3,42 | 3,31 | 3,20 | 3,10 | 3,02 | 2,94 | 2,86 |
| 2       |    | 40                  | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 42   | 44   | 46   | 48   | 50   | 52   | 53   | 55   | 56   | 58   | 59   |
|         | 1  | 10,98               | 7,97 | 6,67 | 5,89 | 5,37 | 4,99 | 4,69 | 4,45 | 4,25 | 4,05 | 3,86 | 3,70 | 3,55 | 3,42 | 3,31 | 3,20 | 3,10 | 3,02 | 2,94 | 2,86 |
|         |    | 60                  | 60   | 60   | 60   | 60   | 62   | 68   | 74   | 79   | 84   | 88   | 92   | 95   | 99   | 103  | 106  | 109  | 112  | 115  | 118  |
|         |    | 40                  | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 42   | 44   | 46   | 48   | 50   | 52   | 53   | 55   | 56   | 58   | 59   |
|         | 2  | 10,98               | 7,97 | 6,67 | 5,89 | 5,37 | 4,99 | 4,69 | 4,45 | 4,25 | 4,05 | 3,86 | 3,70 | 3,55 | 3,42 | 3,31 | 3,20 | 3,10 | 3,02 | 2,94 | 2,86 |
|         |    | 60                  | 60   | 60   | 60   | 60   | 62   | 68   | 74   | 79   | 84   | 88   | 92   | 95   | 99   | 103  | 106  | 109  | 112  | 115  | 118  |
| 3       |    | 40                  | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 42   | 44   | 46   | 48   | 50   | 52   | 53   | 55   | 56   | 58   | 59   |
|         | 1  | 12,80               | 9,05 | 7,39 | 6,40 | 5,72 | 5,23 | 4,84 | 4,53 | 4,27 | 4,05 | 3,86 | 3,70 | 3,55 | 3,42 | 3,31 | 3,20 | 3,10 | 3,02 | 2,94 | 2,86 |
|         |    | 60                  | 60   | 60   | 60   | 60   | 65   | 70   | 75   | 79   | 84   | 88   | 92   | 95   | 99   | 103  | 106  | 109  | 112  | 115  | 118  |
|         |    | 40                  | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 42   | 44   | 46   | 48   | 50   | 52   | 53   | 55   | 56   | 58   | 59   |
|         | 2  | 12,80               | 9,05 | 7,39 | 6,40 | 5,72 | 5,23 | 4,84 | 4,53 | 4,27 | 4,05 | 3,86 | 3,70 | 3,55 | 3,42 | 3,31 | 3,20 | 3,10 | 3,02 | 2,94 | 2,86 |
|         |    | 60                  | 60   | 60   | 60   | 60   | 65   | 70   | 75   | 79   | 84   | 88   | 92   | 95   | 99   | 103  | 106  | 109  | 112  | 115  | 118  |

## Wall component FP60 - 0.6/0.5 - Wind suction

| Section | FG | Wind suction kN/m² |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------|----|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |    | -0,10              | -0,20 | -0,30 | -0,40 | -0,50 | -0,60 | -0,70 | -0,80 | -0,90 | -1,00 | -1,10 | -1,20 | -1,30 | -1,40 | -1,50 | -1,60 | -1,70 | -1,80 | -1,90 | -2,00 |
| 1       | 1  | 10,8               | 8,48  | 7,20  | 6,24  | 5,58  | 5,09  | 4,72  | 4,41  | 4,16  | 3,95  | 3,76  | 3,60  | 3,46  | 3,34  | 3,22  | 3,12  | 3,03  | 2,94  | 2,86  | 2,79  |
|         | 2  | 10,8               | 8,48  | 7,20  | 6,24  | 5,58  | 5,09  | 4,72  | 4,41  | 4,16  | 3,95  | 3,76  | 3,60  | 3,46  | 3,34  | 3,22  | 3,12  | 3,03  | 2,94  | 2,86  | 2,79  |
|         | 3  | 10,81              | 8,48  | 7,20  | 6,24  | 5,58  | 5,09  | 4,72  | 4,41  | 4,16  | 3,95  | 3,76  | 3,60  | 3,46  | 3,34  | 3,22  | 3,12  | 3,03  | 2,94  | 2,86  | 2,79  |
| 2       | 1  | 12,11              | 8,65  | 7,14  | 6,24  | 5,58  | 5,09  | 4,72  | 4,41  | 4,16  | 3,95  | 3,76  | 3,60  | 3,46  | 3,34  | 3,22  | 3,12  | 3,03  | 2,94  | 2,86  | 2,79  |
|         | 2  | 9,51               | 7,01  | 5,92  | 5,27  | 4,83  | 4,51  | 4,26  | 4,05  | 3,88  | 3,74  | 3,62  | 3,51  | 3,42  | 3,33  | 3,22  | 3,12  | 3,03  | 2,94  | 2,86  | 2,79  |
|         | 3  | 4,30               | 3,84  | 3,58  | 3,38  | 3,24  | 3,12  | 3,02  | 2,94  | 2,86  | 2,80  | 2,74  | 2,69  | 2,65  | 2,60  | 2,56  | 2,53  | 2,50  | 2,46  | 2,43  | 2,40  |
| 3       | 1  | 12,48              | 8,82  | 7,20  | 6,24  | 5,58  | 5,09  | 4,72  | 4,41  | 4,16  | 3,95  | 3,76  | 3,60  | 3,46  | 3,34  | 3,22  | 3,12  | 3,03  | 2,94  | 2,86  | 2,79  |
|         | 2  | 12,48              | 8,82  | 7,20  | 6,24  | 5,58  | 5,09  | 4,72  | 4,41  | 4,16  | 3,95  | 3,76  | 3,60  | 3,46  | 3,34  | 3,22  | 3,12  | 3,03  | 2,94  | 2,86  | 2,79  |
|         | 3  | 8,48               | 6,20  | 5,21  | 4,62  | 4,22  | 3,93  | 3,70  | 3,52  | 3,37  | 3,24  | 3,13  | 3,04  | 2,95  | 2,87  | 2,80  | 2,74  | 2,68  | 2,64  | 2,58  | 2,54  |

Info: Observe notes on page 2!

# BRUCHAPaneel panel PUR/PIR facade



## Wall component FP80 - 0.6/0.5 - Wind pressure

| Section | FG | Wind pressure kN/m² |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|----|---------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|         |    | 0,10                | 0,20  | 0,30 | 0,40 | 0,50 | 0,60 | 0,70 | 0,80 | 0,90 | 1,00 | 1,10 | 1,20 | 1,30 | 1,40 | 1,50 | 1,60 | 1,70 | 1,80 | 1,90 | 2,00 |      |
| 1       | 1  | 40                  | 40    | 40   | 40   | 40   | 40   | 41   | 44   | 46   | 49   | 51   | 54   | 56   | 58   | 60   | 62   | 64   | 65   | 67   | 69   |      |
|         |    | 13,17               | 10,34 | 8,60 | 7,45 | 6,66 | 6,08 | 5,63 | 5,27 | 4,97 | 4,71 | 4,49 | 4,30 | 4,13 | 3,98 | 3,85 | 3,72 | 3,61 | 3,51 | 3,42 | 3,33 |      |
|         |    | 40                  | 40    | 40   | 40   | 40   | 40   | 41   | 44   | 46   | 49   | 51   | 54   | 56   | 58   | 60   | 62   | 64   | 65   | 67   | 69   |      |
|         | 2  | 13,17               | 10,34 | 8,60 | 7,45 | 6,66 | 6,08 | 5,63 | 5,27 | 4,97 | 4,71 | 4,49 | 4,30 | 4,13 | 3,98 | 3,85 | 3,72 | 3,61 | 3,51 | 3,42 | 3,33 |      |
|         |    | 40                  | 40    | 40   | 40   | 40   | 40   | 41   | 44   | 46   | 49   | 51   | 54   | 56   | 58   | 60   | 62   | 64   | 65   | 67   | 69   |      |
|         |    | 13,17               | 10,34 | 8,60 | 7,45 | 6,66 | 6,08 | 5,63 | 5,27 | 4,97 | 4,71 | 4,49 | 4,30 | 4,13 | 3,98 | 3,85 | 3,72 | 3,61 | 3,51 | 3,42 | 3,33 |      |
|         | 2  | 1                   | 40    | 40   | 40   | 40   | 40   | 40   | 40   | 44   | 46   | 49   | 51   | 54   | 56   | 58   | 60   | 62   | 64   | 65   | 67   | 69   |
|         |    |                     | 13,13 | 9,51 | 7,93 | 7,00 | 6,37 | 5,91 | 5,56 | 5,27 | 4,97 | 4,71 | 4,49 | 4,30 | 4,13 | 3,98 | 3,85 | 3,72 | 3,61 | 3,51 | 3,42 | 3,33 |
|         |    |                     | 60    | 60   | 60   | 60   | 66   | 73   | 80   | 87   | 92   | 97   | 102  | 107  | 111  | 115  | 119  | 123  | 127  | 130  | 134  | 137  |
| 2       |    | 40                  | 40    | 40   | 40   | 40   | 40   | 40   | 44   | 46   | 49   | 51   | 54   | 56   | 58   | 60   | 62   | 64   | 65   | 67   | 69   |      |
|         |    | 13,13               | 9,51  | 7,93 | 7,00 | 6,37 | 5,91 | 5,56 | 5,27 | 4,97 | 4,71 | 4,49 | 4,30 | 4,13 | 3,98 | 3,85 | 3,72 | 3,61 | 3,51 | 3,42 | 3,33 |      |
|         |    | 60                  | 60    | 60   | 60   | 66   | 73   | 80   | 87   | 92   | 97   | 102  | 107  | 111  | 115  | 119  | 123  | 127  | 130  | 134  | 137  |      |
| 3       |    | 40                  | 40    | 40   | 40   | 40   | 40   | 40   | 44   | 46   | 49   | 51   | 54   | 56   | 58   | 60   | 62   | 64   | 65   | 67   | 69   |      |
|         |    | 7,78                | 7,78  | 7,78 | 7,00 | 6,37 | 5,91 | 5,56 | 5,27 | 4,97 | 4,71 | 4,49 | 4,30 | 4,13 | 3,98 | 3,85 | 3,72 | 3,61 | 3,51 | 3,42 | 3,33 |      |
|         |    | 60                  | 60    | 60   | 60   | 66   | 73   | 80   | 87   | 92   | 97   | 102  | 107  | 111  | 115  | 119  | 123  | 127  | 130  | 134  | 137  |      |
| 3       | 1  | 40                  | 40    | 40   | 40   | 40   | 40   | 41   | 44   | 46   | 49   | 51   | 54   | 56   | 58   | 60   | 62   | 64   | 65   | 67   | 69   |      |
|         |    | 14,90               | 10,54 | 8,60 | 7,45 | 6,66 | 6,08 | 5,63 | 5,27 | 4,97 | 4,71 | 4,49 | 4,30 | 4,13 | 3,98 | 3,85 | 3,72 | 3,61 | 3,51 | 3,42 | 3,33 |      |
|         |    | 60                  | 60    | 60   | 62   | 69   | 75   | 81   | 87   | 92   | 97   | 102  | 107  | 111  | 115  | 119  | 123  | 127  | 130  | 134  | 137  |      |
|         | 2  | 40                  | 40    | 40   | 40   | 40   | 40   | 41   | 44   | 46   | 49   | 51   | 54   | 56   | 58   | 60   | 62   | 64   | 65   | 67   | 69   |      |
|         |    | 14,90               | 10,54 | 8,60 | 7,45 | 6,66 | 6,08 | 5,63 | 5,27 | 4,97 | 4,71 | 4,49 | 4,30 | 4,13 | 3,98 | 3,85 | 3,72 | 3,61 | 3,51 | 3,42 | 3,33 |      |
|         |    | 60                  | 60    | 60   | 62   | 69   | 75   | 81   | 87   | 92   | 97   | 102  | 107  | 111  | 115  | 119  | 123  | 127  | 130  | 134  | 137  |      |
|         | 3  | 40                  | 40    | 40   | 40   | 40   | 40   | 41   | 44   | 46   | 49   | 51   | 54   | 56   | 58   | 60   | 62   | 64   | 65   | 67   | 69   |      |
|         |    | 14,90               | 10,54 | 8,60 | 7,45 | 6,66 | 6,08 | 5,63 | 5,27 | 4,97 | 4,71 | 4,49 | 4,30 | 4,13 | 3,98 | 3,85 | 3,72 | 3,61 | 3,51 | 3,42 | 3,33 |      |
|         |    | 60                  | 60    | 60   | 62   | 69   | 75   | 81   | 87   | 92   | 97   | 102  | 107  | 111  | 115  | 119  | 123  | 127  | 130  | 134  | 137  |      |

## Wall component FP80 - 0.6/0.5 - Wind suction

| Section | FG | Wind suction kN/m² |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------|----|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |    | -0,10              | -0,20 | -0,30 | -0,40 | -0,50 | -0,60 | -0,70 | -0,80 | -0,90 | -1,00 | -1,10 | -1,20 | -1,30 | -1,40 | -1,50 | -1,60 | -1,70 | -1,80 | -1,90 | -2,00 |
| 1       | 1  | 13,16              | 10,31 | 8,42  | 7,29  | 6,52  | 5,96  | 5,51  | 5,16  | 4,86  | 4,61  | 4,40  | 4,21  | 4,05  | 3,90  | 3,77  | 3,65  | 3,54  | 3,44  | 3,35  | 3,26  |
|         | 2  | 13,17              | 10,31 | 8,42  | 7,29  | 6,52  | 5,96  | 5,51  | 5,16  | 4,86  | 4,61  | 4,40  | 4,21  | 4,05  | 3,90  | 3,77  | 3,65  | 3,54  | 3,44  | 3,35  | 3,26  |
|         | 3  | 13,17              | 10,31 | 8,42  | 7,29  | 6,52  | 5,96  | 5,51  | 5,16  | 4,86  | 4,61  | 4,40  | 4,21  | 4,05  | 3,90  | 3,77  | 3,65  | 3,54  | 3,44  | 3,35  | 3,26  |
| 2       | 1  | 14,22              | 10,16 | 8,38  | 7,29  | 6,52  | 5,95  | 5,51  | 5,16  | 4,86  | 4,61  | 4,40  | 4,21  | 4,05  | 3,90  | 3,77  | 3,65  | 3,54  | 3,44  | 3,35  | 3,26  |
|         | 2  | 11,42              | 8,38  | 7,05  | 6,27  | 5,74  | 5,35  | 5,05  | 4,80  | 4,60  | 4,43  | 4,28  | 4,15  | 4,04  | 3,90  | 3,77  | 3,65  | 3,54  | 3,44  | 3,35  | 3,26  |
|         | 3  | 5,32               | 4,68  | 4,32  | 4,06  | 3,88  | 3,73  | 3,60  | 3,50  | 3,41  | 3,33  | 3,26  | 3,20  | 3,14  | 3,08  | 3,04  | 2,99  | 2,95  | 2,91  | 2,88  | 2,84  |
| 3       | 1  | 14,59              | 10,31 | 8,42  | 7,29  | 6,52  | 5,96  | 5,51  | 5,16  | 4,86  | 4,61  | 4,40  | 4,21  | 4,05  | 3,90  | 3,77  | 3,65  | 3,54  | 3,44  | 3,35  | 3,26  |
|         | 2  | 14,59              | 10,31 | 8,42  | 7,29  | 6,52  | 5,96  | 5,51  | 5,16  | 4,86  | 4,61  | 4,40  | 4,21  | 4,05  | 3,90  | 3,77  | 3,65  | 3,54  | 3,44  | 3,35  | 3,26  |
|         | 3  | 10,38              | 7,55  | 6,32  | 5,59  | 5,10  | 4,73  | 4,45  | 4,22  | 4,04  | 3,88  | 3,74  | 3,62  | 3,52  | 3,43  | 3,34  | 3,27  | 3,20  | 3,14  | 3,08  | 3,02  |

Info: Observe notes on page 2!

# BRUCHAPaneel panel PUR/PIR facade



## Wall component FP100 - 0.6/0.5 - Wind pressure

| Section | FG | Wind pressure kN/m <sup>2</sup> |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|----|---------------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|         |    | 0,10                            | 0,20  | 0,30 | 0,40 | 0,50 | 0,60 | 0,70 | 0,80 | 0,90 | 1,00 | 1,10 | 1,20 | 1,30 | 1,40 | 1,50 | 1,60 | 1,70 | 1,80 | 1,90 | 2,00 |
| 1       | 1  | 40                              | 40    | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 60   | 63   | 65   | 67   | 69   | 72   | 74   | 76   | 78   |
|         |    | 15,29                           | 11,86 | 9,68 | 8,38 | 7,50 | 6,85 | 6,34 | 5,93 | 5,59 | 5,30 | 5,06 | 4,84 | 4,65 | 4,48 | 4,33 | 4,19 | 4,07 | 3,95 | 3,85 | 3,75 |
|         |    |                                 |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|         | 2  | 40                              | 40    | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 60   | 63   | 65   | 67   | 69   | 72   | 74   | 76   | 78   |
|         |    | 15,29                           | 11,86 | 9,68 | 8,38 | 7,50 | 6,85 | 6,34 | 5,93 | 5,59 | 5,30 | 5,06 | 4,84 | 4,65 | 4,48 | 4,33 | 4,19 | 4,07 | 3,95 | 3,85 | 3,75 |
|         |    |                                 |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|         | 3  | 40                              | 40    | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 60   | 63   | 65   | 67   | 69   | 72   | 74   | 76   | 78   |
|         |    | 15,29                           | 11,86 | 9,68 | 8,38 | 7,50 | 6,85 | 6,34 | 5,93 | 5,59 | 5,30 | 5,06 | 4,84 | 4,65 | 4,48 | 4,33 | 4,19 | 4,07 | 3,95 | 3,85 | 3,75 |
|         |    |                                 |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 2       | 1  | 40                              | 40    | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 60   | 63   | 65   | 67   | 69   | 72   | 74   | 76   | 78   |
|         |    | 15,22                           | 11,03 | 9,21 | 8,14 | 7,41 | 6,85 | 6,34 | 5,93 | 5,59 | 5,30 | 5,06 | 4,84 | 4,65 | 4,48 | 4,33 | 4,19 | 4,07 | 3,95 | 3,85 | 3,75 |
|         |    | 60                              | 60    | 60   | 67   | 77   | 85   | 92   | 98   | 104  | 109  | 115  | 120  | 125  | 129  | 134  | 138  | 143  | 147  | 151  | 155  |
|         | 2  | 40                              | 40    | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 60   | 63   | 65   | 67   | 69   | 72   | 74   | 76   | 78   |
|         |    | 15,22                           | 11,03 | 9,21 | 8,14 | 7,41 | 6,85 | 6,34 | 5,93 | 5,59 | 5,30 | 5,06 | 4,84 | 4,65 | 4,48 | 4,33 | 4,19 | 4,07 | 3,95 | 3,85 | 3,75 |
|         |    | 60                              | 60    | 60   | 67   | 77   | 85   | 92   | 98   | 104  | 109  | 115  | 120  | 125  | 129  | 134  | 138  | 143  | 147  | 151  | 155  |
|         | 3  | 40                              | 40    | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 60   | 63   | 65   | 67   | 69   | 72   | 74   | 76   | 78   |
|         |    | 12,16                           | 11,03 | 9,21 | 8,14 | 7,41 | 6,85 | 6,34 | 5,93 | 5,59 | 5,30 | 5,06 | 4,84 | 4,65 | 4,48 | 4,33 | 4,19 | 4,07 | 3,95 | 3,85 | 3,75 |
|         |    | 60                              | 60    | 60   | 67   | 77   | 85   | 92   | 98   | 104  | 109  | 115  | 120  | 125  | 129  | 134  | 138  | 143  | 147  | 151  | 155  |
| 3       | 1  | 40                              | 40    | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 60   | 63   | 65   | 67   | 69   | 72   | 74   | 76   | 78   |
|         |    | 16,77                           | 11,86 | 9,68 | 8,38 | 7,50 | 6,85 | 6,34 | 5,93 | 5,59 | 5,30 | 5,06 | 4,84 | 4,65 | 4,48 | 4,33 | 4,19 | 4,07 | 3,95 | 3,85 | 3,75 |
|         |    | 60                              | 60    | 60   | 69   | 78   | 85   | 92   | 98   | 104  | 109  | 115  | 120  | 125  | 129  | 134  | 138  | 143  | 147  | 151  | 155  |
|         | 2  | 40                              | 40    | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 60   | 63   | 65   | 67   | 69   | 72   | 74   | 76   | 78   |
|         |    | 16,77                           | 11,86 | 9,68 | 8,38 | 7,50 | 6,85 | 6,34 | 5,93 | 5,59 | 5,30 | 5,06 | 4,84 | 4,65 | 4,48 | 4,33 | 4,19 | 4,07 | 3,95 | 3,85 | 3,75 |
|         |    | 60                              | 60    | 60   | 69   | 78   | 85   | 92   | 98   | 104  | 109  | 115  | 120  | 125  | 129  | 134  | 138  | 143  | 147  | 151  | 155  |
|         | 3  | 40                              | 40    | 40   | 40   | 40   | 43   | 46   | 49   | 52   | 55   | 58   | 60   | 63   | 65   | 67   | 69   | 72   | 74   | 76   | 78   |
|         |    | 16,77                           | 11,86 | 9,68 | 8,38 | 7,50 | 6,85 | 6,34 | 5,93 | 5,59 | 5,30 | 5,06 | 4,84 | 4,65 | 4,48 | 4,33 | 4,19 | 4,07 | 3,95 | 3,85 | 3,75 |
|         |    | 60                              | 60    | 60   | 69   | 78   | 85   | 92   | 98   | 104  | 109  | 115  | 120  | 125  | 129  | 134  | 138  | 143  | 147  | 151  | 155  |

## Wall component FP100 - 0.6/0.5 - Wind suction

| Section | FG | Wind suction kN/m <sup>2</sup> |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------|----|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |    | -0,10                          | -0,20 | -0,30 | -0,40 | -0,50 | -0,60 | -0,70 | -0,80 | -0,90 | -1,00 | -1,10 | -1,20 | -1,30 | -1,40 | -1,50 | -1,60 | -1,70 | -1,80 | -1,90 | -2,00 |
| 1       | 1  | 15,29                          | 11,66 | 9,52  | 8,24  | 7,37  | 6,73  | 6,23  | 5,83  | 5,50  | 5,21  | 4,97  | 4,76  | 4,57  | 4,41  | 4,26  | 4,12  | 4,00  | 3,89  | 3,78  | 3,69  |
|         | 2  | 15,29                          | 11,66 | 9,52  | 8,24  | 7,37  | 6,73  | 6,23  | 5,83  | 5,50  | 5,21  | 4,97  | 4,76  | 4,57  | 4,41  | 4,26  | 4,12  | 4,00  | 3,89  | 3,78  | 3,69  |
|         | 3  | 15,29                          | 11,66 | 9,52  | 8,24  | 7,37  | 6,73  | 6,23  | 5,83  | 5,50  | 5,21  | 4,97  | 4,76  | 4,57  | 4,41  | 4,26  | 4,12  | 4,00  | 3,89  | 3,78  | 3,69  |
| 2       | 1  | 16,19                          | 11,58 | 9,52  | 8,24  | 7,37  | 6,73  | 6,23  | 5,83  | 5,50  | 5,21  | 4,97  | 4,76  | 4,57  | 4,41  | 4,26  | 4,12  | 4,00  | 3,89  | 3,78  | 3,69  |
|         | 2  | 13,31                          | 9,77  | 8,23  | 7,32  | 6,70  | 6,25  | 5,89  | 5,61  | 5,37  | 5,17  | 4,97  | 4,76  | 4,57  | 4,41  | 4,26  | 4,12  | 4,00  | 3,89  | 3,78  | 3,69  |
|         | 3  | 6,68                           | 5,76  | 5,27  | 4,94  | 4,69  | 4,50  | 4,34  | 4,20  | 4,09  | 3,99  | 3,9   | 3,82  | 3,75  | 3,68  | 3,62  | 3,57  | 3,52  | 3,47  | 3,42  | 3,38  |
| 3       | 1  | 16,49                          | 11,66 | 9,52  | 8,24  | 7,37  | 6,73  | 6,23  | 5,83  | 5,50  | 5,21  | 4,97  | 4,76  | 4,57  | 4,41  | 4,26  | 4,12  | 4,00  | 3,89  | 3,78  | 3,69  |
|         | 2  | 16,49                          | 11,66 | 9,52  | 8,24  | 7,37  | 6,73  | 6,23  | 5,83  | 5,50  | 5,21  | 4,97  | 4,76  | 4,57  | 4,41  | 4,26  | 4,12  | 4,00  | 3,89  | 3,78  | 3,69  |
|         | 3  | 12,28                          | 8,92  | 7,46  | 6,60  | 6,01  | 5,58  | 5,25  | 4,98  | 4,76  | 4,58  | 4,42  | 4,28  | 4,15  | 4,04  | 3,94  | 3,85  | 3,77  | 3,69  | 3,62  | 3,56  |

Info: Observe notes on page 2!

# BRUCHAPaneel panel PUR/PIR facade



## Wall component FP120 - 0.6/0.5 - Wind pressure

| Section | FG | Wind pressure kN/m <sup>2</sup> |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|----|---------------------------------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|         |    | 0,10                            | 0,20  | 0,30  | 0,40 | 0,50 | 0,60 | 0,70 | 0,80 | 0,90 | 1,00 | 1,10 | 1,20 | 1,30 | 1,40 | 1,50 | 1,60 | 1,70 | 1,80 | 1,90 | 2,00 |
| 1       | 1  | 40                              | 40    | 40    | 40   | 43   | 47   | 51   | 54   | 57   | 61   | 63   | 66   | 69   | 72   | 74   | 76   | 79   | 81   | 83   | 85   |
|         |    | 17,30                           | 13,07 | 10,67 | 9,24 | 8,26 | 7,54 | 6,98 | 6,53 | 6,16 | 5,84 | 5,57 | 5,34 | 5,13 | 4,94 | 4,77 | 4,62 | 4,48 | 4,36 | 4,24 | 4,13 |
|         | 2  | 40                              | 40    | 40    | 40   | 43   | 47   | 51   | 54   | 57   | 61   | 63   | 66   | 69   | 72   | 74   | 76   | 79   | 81   | 83   | 85   |
|         |    | 17,30                           | 13,07 | 10,67 | 9,24 | 8,26 | 7,54 | 6,98 | 6,53 | 6,16 | 5,84 | 5,57 | 5,34 | 5,13 | 4,94 | 4,77 | 4,62 | 4,48 | 4,36 | 4,24 | 4,13 |
|         | 3  | 40                              | 40    | 40    | 40   | 43   | 47   | 51   | 54   | 57   | 61   | 63   | 66   | 69   | 72   | 74   | 76   | 79   | 81   | 83   | 85   |
|         |    | 17,32                           | 13,07 | 10,67 | 9,24 | 8,26 | 7,54 | 6,98 | 6,53 | 6,16 | 5,84 | 5,57 | 5,34 | 5,13 | 4,94 | 4,77 | 4,62 | 4,48 | 4,36 | 4,24 | 4,13 |
| 2       | 1  | 40                              | 40    | 40    | 40   | 43   | 47   | 51   | 54   | 57   | 61   | 63   | 66   | 69   | 72   | 74   | 76   | 79   | 81   | 83   | 85   |
|         |    | 17,15                           | 12,42 | 10,35 | 9,13 | 8,26 | 7,54 | 6,98 | 6,53 | 6,16 | 5,84 | 5,57 | 5,34 | 5,13 | 4,94 | 4,77 | 4,62 | 4,48 | 4,36 | 4,24 | 4,13 |
|         | 2  | 60                              | 60    | 64    | 76   | 85   | 93   | 101  | 108  | 114  | 121  | 126  | 132  | 138  | 143  | 148  | 152  | 157  | 162  | 166  | 170  |
|         |    | 40                              | 40    | 40    | 40   | 43   | 47   | 51   | 54   | 57   | 61   | 63   | 66   | 69   | 72   | 74   | 76   | 79   | 81   | 83   | 85   |
|         | 3  | 17,15                           | 12,41 | 10,35 | 9,13 | 8,26 | 7,54 | 6,98 | 6,53 | 6,16 | 5,84 | 5,57 | 5,34 | 5,13 | 4,94 | 4,77 | 4,62 | 4,48 | 4,36 | 4,24 | 4,13 |
|         |    | 60                              | 60    | 64    | 76   | 85   | 93   | 101  | 108  | 114  | 121  | 126  | 132  | 138  | 143  | 148  | 152  | 157  | 162  | 166  | 170  |
| 3       | 1  | 40                              | 40    | 40    | 40   | 43   | 47   | 51   | 54   | 57   | 61   | 63   | 66   | 69   | 72   | 74   | 76   | 79   | 81   | 83   | 85   |
|         |    | 18,48                           | 13,07 | 10,67 | 9,24 | 8,26 | 7,54 | 6,98 | 6,53 | 6,16 | 5,84 | 5,57 | 5,34 | 5,13 | 4,94 | 4,77 | 4,62 | 4,48 | 4,36 | 4,24 | 4,13 |
|         | 2  | 60                              | 60    | 66    | 76   | 85   | 93   | 101  | 108  | 114  | 121  | 126  | 132  | 138  | 143  | 148  | 152  | 157  | 162  | 166  | 170  |
|         |    | 40                              | 40    | 40    | 40   | 43   | 47   | 51   | 54   | 57   | 61   | 63   | 66   | 69   | 72   | 74   | 76   | 79   | 81   | 83   | 85   |
|         | 3  | 18,48                           | 13,07 | 10,67 | 9,24 | 8,26 | 7,54 | 6,98 | 6,53 | 6,16 | 5,84 | 5,57 | 5,34 | 5,13 | 4,94 | 4,77 | 4,62 | 4,48 | 4,36 | 4,24 | 4,13 |
|         |    | 60                              | 60    | 66    | 76   | 85   | 93   | 101  | 108  | 114  | 121  | 126  | 132  | 138  | 143  | 148  | 152  | 157  | 162  | 166  | 170  |

## Wall component FP120 - 0.6/0.5 - Wind suction

| Section | FG | Wind suction kN/m <sup>2</sup> |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------|----|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |    | -0,10                          | -0,20 | -0,30 | -0,40 | -0,50 | -0,60 | -0,70 | -0,80 | -0,90 | -1,00 | -1,10 | -1,20 | -1,30 | -1,40 | -1,50 | -1,60 | -1,70 | -1,80 | -1,90 | -2,00 |
| 1       | 1  | 17,30                          | 12,90 | 10,53 | 9,12  | 8,16  | 7,45  | 6,90  | 6,45  | 6,08  | 5,77  | 5,50  | 5,27  | 5,06  | 4,88  | 4,71  | 4,56  | 4,42  | 4,30  | 4,18  | 4,08  |
|         | 2  | 17,30                          | 12,90 | 10,53 | 9,12  | 8,16  | 7,45  | 6,90  | 6,45  | 6,08  | 5,77  | 5,50  | 5,27  | 5,06  | 4,88  | 4,71  | 4,56  | 4,42  | 4,30  | 4,18  | 4,08  |
|         | 3  | 17,33                          | 12,90 | 10,53 | 9,12  | 8,16  | 7,45  | 6,90  | 6,45  | 6,08  | 5,77  | 5,50  | 5,27  | 5,06  | 4,88  | 4,71  | 4,56  | 4,42  | 4,30  | 4,18  | 4,08  |
| 2       | 1  | 17,99                          | 12,87 | 10,53 | 9,12  | 8,16  | 7,45  | 6,90  | 6,45  | 6,08  | 5,77  | 5,50  | 5,27  | 5,06  | 4,88  | 4,71  | 4,56  | 4,42  | 4,30  | 4,18  | 4,08  |
|         | 2  | 15,06                          | 11,02 | 9,26  | 8,22  | 7,52  | 7,00  | 6,60  | 6,27  | 6,01  | 5,77  | 5,50  | 5,27  | 5,06  | 4,88  | 4,71  | 4,56  | 4,42  | 4,30  | 4,18  | 4,08  |
|         | 3  | 7,78                           | 6,61  | 6,00  | 5,60  | 5,30  | 5,07  | 4,88  | 4,73  | 4,60  | 4,48  | 4,38  | 4,28  | 4,20  | 4,12  | 4,05  | 3,99  | 3,93  | 3,88  | 3,82  | 3,78  |
| 3       | 1  | 18,24                          | 12,90 | 10,53 | 9,12  | 8,16  | 7,45  | 6,90  | 6,45  | 6,08  | 5,77  | 5,50  | 5,27  | 5,06  | 4,88  | 4,71  | 4,56  | 4,42  | 4,30  | 4,18  | 4,08  |
|         | 2  | 18,24                          | 12,90 | 10,53 | 9,12  | 8,16  | 7,45  | 6,90  | 6,45  | 6,08  | 5,77  | 5,50  | 5,27  | 5,06  | 4,88  | 4,71  | 4,56  | 4,42  | 4,30  | 4,18  | 4,08  |
|         | 3  | 14,10                          | 10,20 | 8,51  | 7,51  | 6,83  | 6,33  | 5,95  | 5,64  | 5,38  | 5,17  | 4,98  | 4,82  | 4,68  | 4,55  | 4,44  | 4,33  | 4,24  | 4,15  | 4,07  | 4,00  |

Info: Observe notes on page 2!

# BRUCHAPaneel panel PUR/PIR facade



## Wall component FP140 - 0.6/0.5 - Wind pressure

| Section | FG | Wind pressure kN/m² |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|----|---------------------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|         |    | 0,10                | 0,20  | 0,30  | 0,40 | 0,50 | 0,60 | 0,70 | 0,80 | 0,90 | 1,00 | 1,10 | 1,20 | 1,30 | 1,40 | 1,50 | 1,60 | 1,70 | 1,80 | 1,90 | 2,00 |
| 1       | 1  | 40                  | 40    | 40    | 41   | 46   | 50   | 54   | 58   | 61   | 64   | 67   | 70   | 73   | 76   | 79   | 81   | 84   | 86   | 89   | 91   |
|         |    | 19,24               | 13,90 | 11,34 | 9,82 | 8,79 | 8,02 | 7,43 | 6,95 | 6,55 | 6,21 | 5,92 | 5,67 | 5,45 | 5,25 | 5,07 | 4,91 | 4,77 | 4,63 | 4,51 | 4,39 |
|         |    |                     |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|         | 2  | 40                  | 40    | 40    | 41   | 46   | 50   | 54   | 58   | 61   | 64   | 67   | 70   | 73   | 76   | 79   | 81   | 84   | 86   | 89   | 91   |
|         |    | 19,24               | 13,90 | 11,34 | 9,82 | 8,79 | 8,02 | 7,43 | 6,95 | 6,55 | 6,21 | 5,92 | 5,67 | 5,45 | 5,25 | 5,07 | 4,91 | 4,77 | 4,63 | 4,51 | 4,39 |
|         |    |                     |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|         | 3  | 40                  | 40    | 40    | 41   | 46   | 50   | 54   | 58   | 61   | 64   | 67   | 70   | 73   | 76   | 79   | 81   | 84   | 86   | 89   | 91   |
|         |    | 19,24               | 13,90 | 11,34 | 9,82 | 8,79 | 8,02 | 7,43 | 6,95 | 6,55 | 6,21 | 5,92 | 5,67 | 5,45 | 5,25 | 5,07 | 4,91 | 4,77 | 4,63 | 4,51 | 4,39 |
|         |    |                     |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 2       | 1  | 40                  | 40    | 40    | 40   | 44   | 49   | 54   | 58   | 61   | 64   | 67   | 70   | 73   | 76   | 79   | 81   | 84   | 86   | 89   | 91   |
|         |    | 17,38               | 12,65 | 10,58 | 9,36 | 8,54 | 7,93 | 7,42 | 6,95 | 6,55 | 6,21 | 5,92 | 5,67 | 5,45 | 5,25 | 5,07 | 4,91 | 4,77 | 4,63 | 4,51 | 4,39 |
|         |    | 60                  | 60    | 66    | 77   | 88   | 98   | 107  | 115  | 122  | 128  | 134  | 140  | 146  | 152  | 157  | 162  | 167  | 172  | 177  | 181  |
|         | 2  | 40                  | 40    | 40    | 40   | 44   | 49   | 54   | 58   | 61   | 64   | 67   | 70   | 73   | 76   | 79   | 81   | 84   | 86   | 89   | 91   |
|         |    | 17,38               | 12,65 | 10,58 | 9,36 | 8,54 | 7,93 | 7,42 | 6,95 | 6,55 | 6,21 | 5,92 | 5,67 | 5,45 | 5,25 | 5,07 | 4,91 | 4,77 | 4,63 | 4,51 | 4,39 |
|         |    | 60                  | 60    | 66    | 77   | 88   | 98   | 107  | 115  | 122  | 128  | 134  | 140  | 146  | 152  | 157  | 162  | 167  | 172  | 177  | 181  |
|         | 3  | 40                  | 40    | 40    | 40   | 44   | 49   | 54   | 58   | 61   | 64   | 67   | 70   | 73   | 76   | 79   | 81   | 84   | 86   | 89   | 91   |
|         |    | 11,45               | 11,45 | 10,58 | 9,36 | 8,54 | 7,93 | 7,42 | 6,95 | 6,55 | 6,21 | 5,92 | 5,67 | 5,45 | 5,25 | 5,07 | 4,91 | 4,77 | 4,63 | 4,51 | 4,39 |
|         |    | 60                  | 60    | 66    | 77   | 88   | 98   | 107  | 115  | 122  | 128  | 134  | 140  | 146  | 152  | 157  | 162  | 167  | 172  | 177  | 181  |
| 3       | 1  | 40                  | 40    | 40    | 41   | 46   | 50   | 54   | 58   | 61   | 64   | 67   | 70   | 73   | 76   | 79   | 81   | 84   | 86   | 89   | 91   |
|         |    | 19,65               | 13,90 | 11,34 | 9,82 | 8,79 | 8,02 | 7,43 | 6,95 | 6,55 | 6,21 | 5,92 | 5,67 | 5,45 | 5,25 | 5,07 | 4,91 | 4,77 | 4,63 | 4,51 | 4,39 |
|         |    | 60                  | 60    | 70    | 81   | 91   | 99   | 107  | 115  | 122  | 128  | 134  | 140  | 146  | 152  | 157  | 162  | 167  | 172  | 177  | 181  |
|         | 2  | 40                  | 40    | 40    | 41   | 46   | 50   | 54   | 58   | 61   | 64   | 67   | 70   | 73   | 76   | 79   | 81   | 84   | 86   | 89   | 91   |
|         |    | 19,65               | 13,90 | 11,34 | 9,82 | 8,79 | 8,02 | 7,43 | 6,95 | 6,55 | 6,21 | 5,92 | 5,67 | 5,45 | 5,25 | 5,07 | 4,91 | 4,77 | 4,63 | 4,51 | 4,39 |
|         |    | 60                  | 60    | 70    | 81   | 91   | 99   | 107  | 115  | 122  | 128  | 134  | 140  | 146  | 152  | 157  | 162  | 167  | 172  | 177  | 181  |
|         | 3  | 40                  | 40    | 40    | 41   | 46   | 50   | 54   | 58   | 61   | 64   | 67   | 70   | 73   | 76   | 79   | 81   | 84   | 86   | 89   | 91   |
|         |    | 19,65               | 13,90 | 11,34 | 9,82 | 8,79 | 8,02 | 7,43 | 6,95 | 6,55 | 6,21 | 5,92 | 5,67 | 5,45 | 5,25 | 5,07 | 4,91 | 4,77 | 4,63 | 4,51 | 4,39 |
|         |    | 60                  | 60    | 70    | 81   | 91   | 99   | 107  | 115  | 122  | 128  | 134  | 140  | 146  | 152  | 157  | 162  | 167  | 172  | 177  | 181  |

## Wall component FP140 - 0.6/0.5 - Wind suction

| Section | FG | Wind suction kN/m² |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------|----|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |    | -0,10              | -0,20 | -0,30 | -0,40 | -0,50 | -0,60 | -0,70 | -0,80 | -0,90 | -1,00 | -1,10 | -1,20 | -1,30 | -1,40 | -1,50 | -1,60 | -1,70 | -1,80 | -1,90 | -2,00 |
| 1       | 1  | 19,23              | 13,71 | 11,19 | 9,70  | 8,67  | 7,92  | 7,33  | 6,86  | 6,46  | 6,13  | 5,85  | 5,60  | 5,38  | 5,18  | 5,01  | 4,85  | 4,70  | 4,57  | 4,45  | 4,34  |
|         | 2  | 19,23              | 13,71 | 11,19 | 9,70  | 8,67  | 7,92  | 7,33  | 6,86  | 6,46  | 6,13  | 5,85  | 5,60  | 5,38  | 5,18  | 5,01  | 4,85  | 4,70  | 4,57  | 4,45  | 4,34  |
|         | 3  | 19,23              | 13,71 | 11,19 | 9,70  | 8,67  | 7,92  | 7,33  | 6,86  | 6,46  | 6,13  | 5,85  | 5,60  | 5,38  | 5,18  | 5,01  | 4,85  | 4,70  | 4,57  | 4,45  | 4,34  |
| 2       | 1  | 18,96              | 13,57 | 11,19 | 9,70  | 8,67  | 7,92  | 7,33  | 6,86  | 6,46  | 6,13  | 5,85  | 5,60  | 5,38  | 5,18  | 5,01  | 4,85  | 4,70  | 4,57  | 4,45  | 4,34  |
|         | 2  | 15,33              | 11,29 | 9,53  | 8,49  | 7,78  | 7,26  | 6,86  | 6,53  | 6,26  | 6,03  | 5,83  | 5,60  | 5,38  | 5,18  | 5,01  | 4,85  | 4,70  | 4,57  | 4,45  | 4,34  |
|         | 3  | 7,50               | 6,56  | 6,04  | 5,68  | 5,41  | 5,20  | 5,02  | 4,88  | 4,75  | 4,64  | 4,54  | 4,45  | 4,37  | 4,29  | 4,22  | 4,16  | 4,10  | 4,05  | 4,00  | 3,95  |
| 3       | 1  | 19,39              | 13,71 | 11,19 | 9,70  | 8,67  | 7,92  | 7,33  | 6,86  | 6,46  | 6,13  | 5,85  | 5,60  | 5,38  | 5,18  | 5,01  | 4,85  | 4,70  | 4,57  | 4,45  | 4,34  |
|         | 2  | 19,39              | 13,71 | 11,19 | 9,70  | 8,67  | 7,92  | 7,33  | 6,86  | 6,46  | 6,13  | 5,85  | 5,60  | 5,38  | 5,18  | 5,01  | 4,85  | 4,70  | 4,57  | 4,45  | 4,34  |
|         | 3  | 13,93              | 10,16 | 8,52  | 7,55  | 6,90  | 6,42  | 6,04  | 5,74  | 5,49  | 5,28  | 5,10  | 4,94  | 4,80  | 4,68  | 4,56  | 4,46  | 4,37  | 4,28  | 4,20  | 4,13  |

Info: Observe notes on page 2!

# BRUCHAPaneel panel PUR/PIR facade



## Wall component FP150 - 0,6/0,5 - Wind pressure

| Section | FG | Wind pressure kN/m <sup>2</sup> |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|----|---------------------------------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|         |    | 0,10                            | 0,20  | 0,30  | 0,40  | 0,50  | 0,60 | 0,70 | 0,80 | 0,90 | 1,00 | 1,10 | 1,20 | 1,30 | 1,40 | 1,50 | 1,60 | 1,70 | 1,80 | 1,90 | 2,00 |
| 1       |    | 40                              | 40    | 43    | 49    | 55    | 60   | 65   | 69   | 73   | 77   | 81   | 85   | 88   | 91   | 95   | 98   | 101  | 104  | 107  | 109  |
|         | 1  | 23,66                           | 16,73 | 13,66 | 11,83 | 10,58 | 9,66 | 8,94 | 8,36 | 7,89 | 7,48 | 7,13 | 6,83 | 6,56 | 6,32 | 6,11 | 5,92 | 5,74 | 5,58 | 5,43 | 5,29 |
|         |    | 40                              | 40    | 43    | 49    | 55    | 60   | 65   | 69   | 73   | 77   | 81   | 85   | 88   | 91   | 95   | 98   | 101  | 104  | 107  | 109  |
|         | 2  | 23,66                           | 16,73 | 13,66 | 11,83 | 10,58 | 9,66 | 8,94 | 8,36 | 7,89 | 7,48 | 7,13 | 6,83 | 6,56 | 6,32 | 6,11 | 5,92 | 5,74 | 5,58 | 5,43 | 5,29 |
|         |    | 40                              | 40    | 43    | 49    | 55    | 60   | 65   | 69   | 73   | 77   | 81   | 85   | 88   | 91   | 95   | 98   | 101  | 104  | 107  | 109  |
|         | 3  | 23,66                           | 16,73 | 13,66 | 11,83 | 10,58 | 9,66 | 8,94 | 8,36 | 7,89 | 7,48 | 7,13 | 6,83 | 6,56 | 6,32 | 6,11 | 5,92 | 5,74 | 5,58 | 5,43 | 5,29 |
| 2       |    | 40                              | 40    | 40    | 40    | 45    | 50   | 55   | 59   | 64   | 68   | 72   | 76   | 80   | 83   | 87   | 90   | 94   | 97   | 100  | 103  |
|         | 1  | 17,39                           | 12,69 | 10,64 | 9,43  | 8,61  | 8,00 | 7,54 | 7,16 | 6,85 | 6,58 | 6,33 | 6,11 | 5,92 | 5,75 | 5,59 | 5,45 | 5,33 | 5,21 | 5,10 | 5,01 |
|         |    | 60                              | 60    | 66    | 78    | 89    | 99   | 109  | 118  | 127  | 136  | 144  | 151  | 159  | 166  | 173  | 180  | 187  | 193  | 200  | 206  |
|         | 2  | 17,39                           | 12,69 | 10,64 | 9,43  | 8,61  | 8,00 | 7,54 | 7,16 | 6,85 | 6,58 | 6,33 | 6,11 | 5,92 | 5,75 | 5,59 | 5,45 | 5,33 | 5,21 | 5,10 | 5,01 |
|         |    | 60                              | 60    | 66    | 78    | 89    | 99   | 109  | 118  | 127  | 136  | 144  | 151  | 159  | 166  | 173  | 180  | 187  | 193  | 200  | 206  |
|         | 3  | 17,39                           | 12,69 | 10,64 | 9,43  | 8,61  | 8,00 | 7,54 | 7,16 | 6,85 | 6,58 | 6,33 | 6,11 | 5,92 | 5,75 | 5,59 | 5,45 | 5,33 | 5,21 | 5,10 | 5,01 |
| 3       |    | 40                              | 40    | 40    | 47    | 52    | 58   | 62   | 67   | 71   | 75   | 79   | 83   | 87   | 90   | 94   | 97   | 100  | 103  | 107  | 109  |
|         | 1  | 22,26                           | 15,81 | 12,96 | 11,26 | 10,11 | 9,27 | 8,61 | 8,08 | 7,64 | 7,28 | 6,96 | 6,69 | 6,45 | 6,23 | 6,04 | 5,86 | 5,71 | 5,56 | 5,43 | 5,29 |
|         |    | 60                              | 65    | 80    | 93    | 104   | 115  | 124  | 133  | 142  | 150  | 158  | 165  | 173  | 180  | 187  | 193  | 200  | 206  | 213  | 218  |
|         | 2  | 22,26                           | 15,81 | 12,96 | 11,26 | 10,11 | 9,27 | 8,61 | 8,08 | 7,64 | 7,28 | 6,96 | 6,69 | 6,45 | 6,23 | 6,04 | 5,86 | 5,71 | 5,56 | 5,43 | 5,29 |
|         |    | 60                              | 65    | 80    | 93    | 104   | 115  | 124  | 133  | 142  | 150  | 158  | 165  | 173  | 180  | 187  | 193  | 200  | 206  | 213  | 218  |
|         | 3  | 22,26                           | 15,81 | 12,96 | 11,26 | 10,11 | 9,26 | 8,61 | 8,08 | 7,64 | 7,28 | 6,96 | 6,69 | 6,45 | 6,23 | 6,04 | 5,86 | 5,71 | 5,56 | 5,43 | 5,29 |

## Wall component FP150 - 0,6/0,5 - Wind suction

| Section | FG | Wind suction kN/m <sup>2</sup> |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------|----|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |    | -0,10                          | -0,20 | -0,30 | -0,40 | -0,50 | -0,60 | -0,70 | -0,80 | -0,90 | -1,00 | -1,10 | -1,20 | -1,30 | -1,40 | -1,50 | -1,60 | -1,70 | -1,80 | -1,90 | -2,00 |
| 1       | 1  | 19,87                          | 14,05 | 11,47 | 9,94  | 8,89  | 8,11  | 7,51  | 7,02  | 6,62  | 6,28  | 5,99  | 5,74  | 5,51  | 5,31  | 5,13  | 4,97  | 4,82  | 4,68  | 4,56  | 4,44  |
|         | 2  | 19,87                          | 14,05 | 11,47 | 9,94  | 8,89  | 8,11  | 7,51  | 7,02  | 6,62  | 6,28  | 5,99  | 5,74  | 5,51  | 5,31  | 5,13  | 4,97  | 4,82  | 4,68  | 4,56  | 4,44  |
|         | 3  | 19,87                          | 14,05 | 11,47 | 9,94  | 8,89  | 8,11  | 7,51  | 7,02  | 6,62  | 6,28  | 5,99  | 5,74  | 5,51  | 5,31  | 5,13  | 4,97  | 4,82  | 4,68  | 4,56  | 4,44  |
| 2       | 1  | 19,87                          | 14,05 | 11,47 | 9,94  | 8,89  | 8,11  | 7,51  | 7,02  | 6,62  | 6,28  | 5,99  | 5,74  | 5,51  | 5,31  | 5,13  | 4,97  | 4,82  | 4,68  | 4,56  | 4,44  |
|         | 2  | 19,87                          | 14,05 | 11,47 | 9,94  | 8,89  | 8,11  | 7,51  | 7,02  | 6,62  | 6,28  | 5,99  | 5,74  | 5,51  | 5,31  | 5,13  | 4,97  | 4,82  | 4,68  | 4,56  | 4,44  |
|         | 3  | 12,88                          | 9,91  | 8,59  | 7,79  | 7,24  | 6,83  | 6,50  | 6,24  | 6,02  | 5,82  | 5,66  | 5,51  | 5,38  | 5,26  | 5,13  | 4,97  | 4,82  | 4,68  | 4,56  | 4,44  |
| 3       | 1  | 19,87                          | 14,05 | 11,47 | 9,94  | 8,89  | 8,11  | 7,51  | 7,02  | 6,62  | 6,28  | 5,99  | 5,74  | 5,51  | 5,31  | 5,13  | 4,97  | 4,82  | 4,68  | 4,56  | 4,44  |
|         | 2  | 19,87                          | 14,05 | 11,47 | 9,94  | 8,89  | 8,11  | 7,51  | 7,02  | 6,62  | 6,28  | 5,99  | 5,74  | 5,51  | 5,31  | 5,13  | 4,97  | 4,82  | 4,68  | 4,56  | 4,44  |
|         | 3  | 19,87                          | 14,05 | 11,47 | 9,94  | 8,89  | 8,11  | 7,51  | 7,02  | 6,62  | 6,28  | 5,99  | 5,74  | 5,51  | 5,31  | 5,13  | 4,97  | 4,82  | 4,68  | 4,56  | 4,44  |

Info: Observe notes on page 2!



# BRUCHAPaneel panel PUR/PIR facade



## Wall component FP160 - 0.6/0.5 - Wind pressure

| Section | FG | Wind pressure kN/m <sup>2</sup> |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|----|---------------------------------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|         |    | 0,10                            | 0,20  | 0,30  | 0,40  | 0,50  | 0,60 | 0,70 | 0,80 | 0,90 | 1,00 | 1,10 | 1,20 | 1,30 | 1,40 | 1,50 | 1,60 | 1,70 | 1,80 | 1,90 | 2,00 |
| 1       |    | 40                              | 40    | 44    | 51    | 57    | 62   | 67   | 72   | 76   | 80   | 84   | 88   | 91   | 94   | 98   | 101  | 104  | 107  | 110  | 113  |
|         | 1  | 24,45                           | 17,29 | 14,11 | 12,22 | 10,93 | 9,98 | 9,24 | 8,64 | 8,15 | 7,73 | 7,37 | 7,06 | 6,78 | 6,53 | 6,31 | 6,11 | 5,93 | 5,76 | 5,61 | 5,47 |
|         |    | 40                              | 40    | 44    | 51    | 57    | 62   | 67   | 72   | 76   | 80   | 84   | 88   | 91   | 94   | 98   | 101  | 104  | 107  | 110  | 113  |
|         | 2  | 24,45                           | 17,29 | 14,11 | 12,22 | 10,93 | 9,98 | 9,24 | 8,64 | 8,15 | 7,73 | 7,37 | 7,06 | 6,78 | 6,53 | 6,31 | 6,11 | 5,93 | 5,76 | 5,61 | 5,47 |
|         |    | 40                              | 40    | 44    | 51    | 57    | 62   | 67   | 72   | 76   | 80   | 84   | 88   | 91   | 94   | 98   | 101  | 104  | 107  | 110  | 113  |
|         | 3  | 24,45                           | 17,29 | 14,11 | 12,22 | 10,93 | 9,98 | 9,24 | 8,64 | 8,15 | 7,73 | 7,37 | 7,06 | 6,78 | 6,53 | 6,31 | 6,11 | 5,93 | 5,76 | 5,61 | 5,47 |
|         |    | 40                              | 40    | 40    | 40    | 45    | 50   | 55   | 60   | 64   | 69   | 73   | 77   | 81   | 85   | 88   | 92   | 95   | 99   | 102  | 105  |
|         | 1  | 17,32                           | 12,67 | 10,65 | 9,46  | 8,65  | 8,05 | 7,59 | 7,22 | 6,91 | 6,65 | 6,43 | 6,22 | 6,03 | 5,85 | 5,70 | 5,56 | 5,43 | 5,31 | 5,20 | 5,10 |
|         |    | 60                              | 60    | 66    | 78    | 89    | 100  | 110  | 119  | 128  | 137  | 146  | 154  | 162  | 169  | 176  | 183  | 190  | 197  | 204  | 210  |
| 2       |    | 40                              | 40    | 40    | 40    | 45    | 50   | 55   | 60   | 64   | 69   | 73   | 77   | 81   | 85   | 88   | 92   | 95   | 99   | 102  | 105  |
|         | 2  | 17,32                           | 12,67 | 10,65 | 9,46  | 8,65  | 8,05 | 7,59 | 7,22 | 6,91 | 6,65 | 6,43 | 6,22 | 6,03 | 5,85 | 5,70 | 5,56 | 5,43 | 5,31 | 5,20 | 5,10 |
|         |    | 60                              | 60    | 66    | 78    | 89    | 100  | 110  | 119  | 128  | 137  | 146  | 154  | 162  | 169  | 176  | 183  | 190  | 197  | 204  | 210  |
|         |    | 40                              | 40    | 40    | 40    | 45    | 50   | 55   | 60   | 64   | 69   | 73   | 77   | 81   | 85   | 88   | 92   | 95   | 99   | 102  | 105  |
|         | 3  | 17,32                           | 12,67 | 10,65 | 9,46  | 8,65  | 8,05 | 7,59 | 7,22 | 6,91 | 6,65 | 6,43 | 6,22 | 6,03 | 5,85 | 5,70 | 5,56 | 5,43 | 5,31 | 5,20 | 5,10 |
|         |    | 60                              | 60    | 66    | 78    | 89    | 100  | 110  | 119  | 128  | 137  | 146  | 154  | 162  | 169  | 176  | 183  | 190  | 197  | 204  | 210  |
|         |    | 40                              | 40    | 41    | 48    | 53    | 59   | 63   | 68   | 72   | 77   | 81   | 84   | 88   | 92   | 95   | 98   | 102  | 105  | 108  | 111  |
|         | 1  | 22,60                           | 16,05 | 13,15 | 11,44 | 10,27 | 9,41 | 8,75 | 8,21 | 7,77 | 7,40 | 7,08 | 6,80 | 6,55 | 6,34 | 6,14 | 5,96 | 5,80 | 5,66 | 5,52 | 5,40 |
|         |    | 60                              | 66    | 82    | 95    | 106   | 117  | 126  | 135  | 144  | 153  | 161  | 168  | 175  | 183  | 190  | 196  | 203  | 210  | 216  | 222  |
| 3       |    | 40                              | 40    | 41    | 48    | 53    | 59   | 63   | 68   | 72   | 77   | 81   | 84   | 88   | 92   | 95   | 98   | 102  | 105  | 108  | 111  |
|         | 2  | 22,60                           | 16,05 | 13,15 | 11,44 | 10,27 | 9,41 | 8,75 | 8,21 | 7,77 | 7,40 | 7,08 | 6,80 | 6,55 | 6,34 | 6,14 | 5,96 | 5,80 | 5,66 | 5,52 | 5,40 |
|         |    | 60                              | 66    | 82    | 95    | 106   | 117  | 126  | 135  | 144  | 153  | 161  | 168  | 175  | 183  | 190  | 196  | 203  | 210  | 216  | 222  |
|         |    | 40                              | 40    | 41    | 48    | 53    | 59   | 63   | 68   | 72   | 77   | 81   | 84   | 88   | 92   | 95   | 98   | 102  | 105  | 108  | 111  |
|         | 3  | 22,60                           | 16,04 | 13,16 | 11,44 | 10,27 | 9,41 | 8,75 | 8,21 | 7,77 | 7,40 | 7,08 | 6,80 | 6,55 | 6,34 | 6,14 | 5,96 | 5,80 | 5,66 | 5,52 | 5,40 |
|         |    | 60                              | 66    | 82    | 95    | 106   | 117  | 126  | 135  | 144  | 153  | 161  | 168  | 175  | 183  | 190  | 196  | 203  | 210  | 216  | 222  |

## Wall component FP160 - 0.6/0.5 - Wind suction

| Section | FG | Wind section kN/m <sup>2</sup> |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------|----|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |    | -0,10                          | -0,20 | -0,30 | -0,40 | -0,50 | -0,60 | -0,70 | -0,80 | -0,90 | -1,00 | -1,10 | -1,20 | -1,30 | -1,40 | -1,50 | -1,60 | -1,70 | -1,80 | -1,90 | -2,00 |
| 1       | 1  | 20,35                          | 14,39 | 11,75 | 10,18 | 9,10  | 8,31  | 7,69  | 7,20  | 6,78  | 6,44  | 6,14  | 5,87  | 5,64  | 5,44  | 5,25  | 5,09  | 4,94  | 4,80  | 4,67  | 4,55  |
|         | 2  | 20,35                          | 14,39 | 11,75 | 10,18 | 9,10  | 8,31  | 7,69  | 7,20  | 6,78  | 6,44  | 6,14  | 5,87  | 5,64  | 5,44  | 5,25  | 5,09  | 4,94  | 4,80  | 4,67  | 4,55  |
|         | 3  | 20,35                          | 14,39 | 11,75 | 10,18 | 9,10  | 8,31  | 7,69  | 7,20  | 6,78  | 6,44  | 6,14  | 5,87  | 5,64  | 5,44  | 5,25  | 5,09  | 4,94  | 4,80  | 4,67  | 4,55  |
| 2       | 1  | 20,35                          | 14,39 | 11,75 | 10,18 | 9,10  | 8,31  | 7,69  | 7,20  | 6,78  | 6,44  | 6,14  | 5,87  | 5,64  | 5,44  | 5,25  | 5,09  | 4,94  | 4,80  | 4,67  | 4,55  |
|         | 2  | 20,35                          | 14,39 | 11,75 | 10,18 | 9,10  | 8,31  | 7,69  | 7,20  | 6,78  | 6,44  | 6,14  | 5,87  | 5,64  | 5,44  | 5,25  | 5,09  | 4,94  | 4,80  | 4,67  | 4,55  |
|         | 3  | 13,30                          | 10,24 | 8,88  | 8,05  | 7,48  | 7,06  | 6,72  | 6,44  | 6,21  | 6,02  | 5,85  | 5,70  | 5,56  | 5,44  | 5,25  | 5,09  | 4,94  | 4,80  | 4,67  | 4,55  |
| 3       | 1  | 20,35                          | 14,39 | 11,75 | 10,18 | 9,10  | 8,31  | 7,69  | 7,20  | 6,78  | 6,44  | 6,14  | 5,87  | 5,64  | 5,44  | 5,25  | 5,09  | 4,94  | 4,80  | 4,67  | 4,55  |
|         | 2  | 20,35                          | 14,39 | 11,75 | 10,18 | 9,10  | 8,31  | 7,69  | 7,20  | 6,78  | 6,44  | 6,14  | 5,87  | 5,64  | 5,44  | 5,25  | 5,09  | 4,94  | 4,80  | 4,67  | 4,55  |
|         | 3  | 20,35                          | 14,39 | 11,75 | 10,18 | 9,10  | 8,31  | 7,69  | 7,20  | 6,78  | 6,44  | 6,14  | 5,87  | 5,64  | 5,44  | 5,25  | 5,09  | 4,94  | 4,80  | 4,67  | 4,55  |

Info: Observe notes on page 2!