Wind load capacity TUF-S in
8.0mm Cembrit Transparent

At least four hangers are required, two in horizontal as well as two in vertical direction. Values in the table can be used independently of the number of hangers.

Edge distance to the first drill must not be less than 50mm and must not exceed a maximum of 100mm. Distances shown in the table are indicated at the center of each hanger. The distance in a hanger must be at least 30mm.
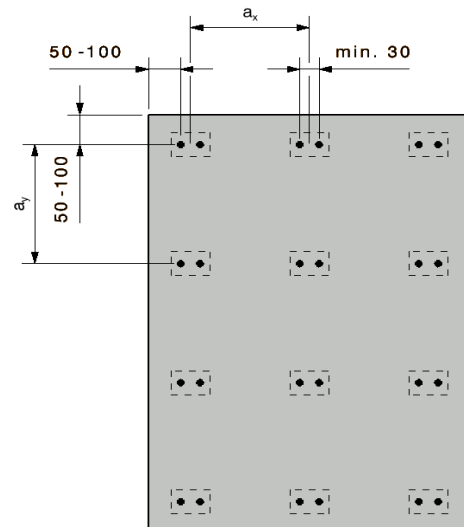
This table is valid for façade applications only.

1. Determine the wind-load in kN/m^2 in accordance with the prevailing regional regulation.
2. Select the closest wind-load in the table below.
   The selected value must not be lower than the actual wind-load.
3. Select the pattern as well in horizontal as in vertical direction.
4. Pattern direction can be changed in x- and y-direction.
5. Place the selected pattern on the panel in compliance with the valid edge.
6. It is allowed to reduce the spacing in order to place the pattern on the panel.

Panel thickness:	8.0 mm
Embedment TUF-S:	5.0 mm *

* Drill depth = Embedment + 0.5 mm

2× TUF-S per hanger

Wind-load [kN/m^2]	max. Spacing horizontal direction a_x [mm]						
	300	350	400	450	500	550	600
300	3.05	2.61	2.29	2.03	1.83	1.66	1.52
350		2.24	1.96	1.74	1.57	1.42	1.31
400			1.71	1.52	1.37	1.25	1.14
450				1.35	1.22	1.11	1.02
500					1.10	1.00	0.91
550						0.91	0.83
600							0.76

(max. Spacing vertical direction a_y [mm])

The tables are a non-binding aid. The proof of safety as well as an implementation planning based on it must always be provided in relation to the object. Influences from the hanger and horizontal profile are not considered. Maximum spacing from the vertical structure is 600mm.

The specified wind-load values are design values in accordance to EN 1991-1-4 (Eurocode). The safety factor $\gamma_Q = 1.5$ has been taken into account.

Wind load capacity TUF-S in
8.0mm Cembrit Solid

At least four hangers are required, two in horizontal as well as two in vertical direction. Values in the table can be used independently of the number of hangers.
Edge distance to the first drill must not be less than 50mm and must not exceed a maximum of 100mm. Distances shown in the table are indicated at the center of each hanger. The distance in a hanger must be at least 30mm.
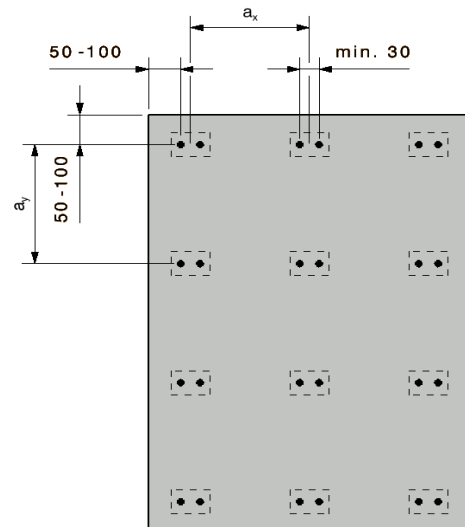This table is valid for façade applications only.

1. Determine the wind-load in kN/m^2 in accordance with the prevailing regional regulation.
2. Select the closest wind-load in the table below.
   The selected value must not be lower than the actual wind-load.
3. Select the pattern as well in horizontal as in vertical direction.
4. Pattern direction can be changed in x- and y-direction.
5. Place the selected pattern on the panel in compliance with the valid edge.
6. It is allowed to reduce the spacing in order to place the pattern on the panel.

| Panel thickness: | 8.0 mm |
| Embedment TUF-S: | 5.0 mm * |

* Drill depth = Embedment + 0.5 mm
2× TUF-S per hanger

Wind-load [kN/m^2]	max. Spacing horizontal direction a_x [mm]						
	300	350	400	450	500	550	600
300	3.94	3.38	2.95	2.63	2.36	2.15	1.97
350		2.89	2.53	2.25	2.03	1.84	1.69
400			2.22	1.97	1.77	1.61	1.48
450				1.75	1.58	1.43	1.31
500					1.42	1.29	1.18
550						1.17	1.07
600							0.98

max. Spacing vertical direction a_y [mm]

The tables are a non-binding aid. The proof of safety as well as an implementation planning based on it must always be provided in relation to the object. Influences from the hanger and horizontal profile are not considered. Maximum spacing from the vertical structure is 600mm.

The specified wind-load values are design values in accordance to EN 1991-1-4 (Eurocode). The safety factor $γ_Q = 1.5$ has been taken into account.

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All calculations, measurements, fasteners and design methods have to be verified by a responsible designer or engineer, regarding the corresponding structure and load. Please consult your national norms and approvals.

Wind load capacity TUF-S in
8.0mm Cembrit Cover

At least four hangers are required, two in horizontal as well as two in vertical direction. Values in the table can be used independently of the number of hangers.
Edge distance to the first drill must not be less than 50mm and must not exceed a maximum of 100mm. Distances shown in the table are indicated at the center of each hanger. The distance in a hanger must be at least 30mm.
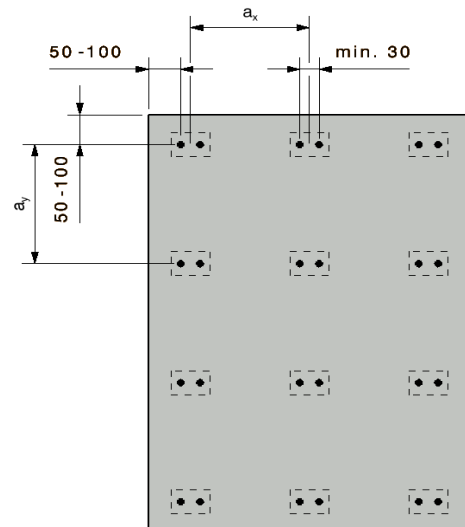This table is valid for façade applications only.

1. Determine the wind-load in kN/m^2 in accordance with the prevailing regional regulation.
2. Select the closest wind-load in the table below.
   The selected value must not be lower than the actual wind-load.
3. Select the pattern as well in horizontal as in vertical direction.
4. Pattern direction can be changed in x- and y-direction.
5. Place the selected pattern on the panel in compliance with the valid edge.
6. It is allowed to reduce the spacing in order to place the pattern on the panel.

Panel thickness: 8.0 mm
Embedment TUF-S: 5.0 mm *

* Drill depth = Embedment + 0.5 mm
2× TUF-S per hanger

Wind-load [kN/m^2]	max. Spacing horizontal direction a_x [mm]						
	300	**350**	**400**	**450**	**500**	**550**	**600**
300	3.94	3.38	2.95	2.63	2.36	2.15	1.97
350		2.89	2.53	2.25	2.03	1.84	1.69
400			2.22	1.97	1.77	1.61	1.48
450				1.75	1.58	1.43	1.31
500					1.42	1.29	1.18
550						1.17	1.07
600							0.98

(left axis: max. Spacing vertical direction a_y [mm])

The tables are a non-binding aid. The proof of safety as well as an implementation planning based on it must always be provided in relation to the object. Influences from the hanger and horizontal profile are not considered. Maximum spacing from the vertical structure is 600mm.

The specified wind-load values are design values in accordance to EN 1991-1-4 (Eurocode). The safety factor $\gamma_Q = 1.5$ has been taken into account.

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Wind load capacity TUF-S in
8.0mm Cembrit Patina

At least four hangers are required, two in horizontal as well as two in vertical direction. Values in the table can be used independently of the number of hangers.
Edge distance to the first drill must not be less than 50mm and must not exceed a maximum of 100mm. Distances shown in the table are indicated at the center of each hanger. The distance in a hanger must be at least 30mm.
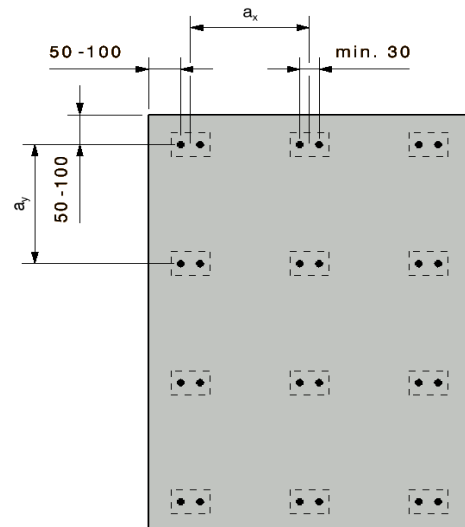This table is valid for façade applications only.

1. Determine the wind-load in kN/m² in accordance with the prevailing regional regulation.
2. Select the closest wind-load in the table below.
    The selected value must not be lower than the actual wind-load.
3. Select the pattern as well in horizontal as in vertical direction.
4. Pattern direction can be changed in x- and y-direction.
5. Place the selected pattern on the panel in compliance with the valid edge.
6. It is allowed to reduce the spacing in order to place the pattern on the panel.

Panel thickness:	8.0 mm
Embedment TUF-S:	5.0 mm *

* Drill depth = Embedment + 0.5 mm
2× TUF-S per hanger

Wind-load [kN/m²]	max. Spacing horizontal direction a_x [mm]						
	300	350	400	450	500	550	600
300	4.55	3.90	3.41	3.03	2.73	2.48	2.27
350		3.34	2.92	2.60	2.34	2.13	1.95
400			2.56	2.27	2.05	1.86	1.70
450				2.02	1.82	1.65	1.52
500					1.64	1.49	1.36
550						1.35	1.24
600							1.14

(max. Spacing vertical direction a_y [mm])

The tables are a non-binding aid. The proof of safety as well as an implementation planning based on it must always be provided in relation to the object. Influences from the hanger and horizontal profile are not considered. Maximum spacing from the vertical structure is 600mm.

The specified wind-load values are design values in accordance to EN 1991-1-4 (Eurocode). The safety factor $\gamma_Q = 1.5$ has been taken into account.

Wind load capacity TUF-S in
12.0mm Cembrit Patina

At least four hangers are required, two in horizontal as well as two in vertical direction. Values in the table can be used independently of the number of hangers.
Edge distance to the first drill must not be less than 50mm and must not exceed a maximum of 100mm. Distances shown in the table are indicated at the center of each hanger. The distance in a hanger must be at least 30mm.
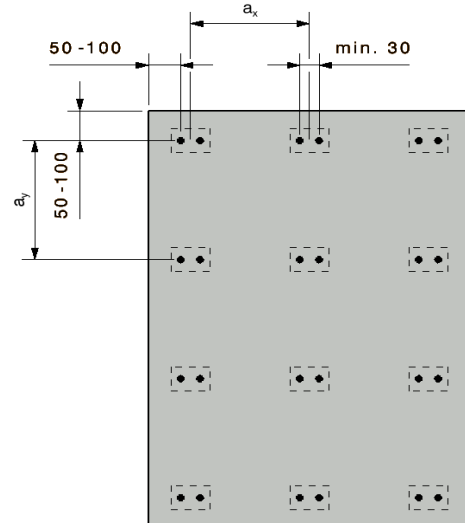This table is valid for façade applications only.

1.   Determine the wind-load in kN/m^2 in accordance with the prevailing regional regulation.
2.   Select the closest wind-load in the table below.
      The selected value must not be lower than the actual wind-load.
3.   Select the pattern as well in horizontal as in vertical direction.
4.   Pattern direction can be changed in x- and y-direction.
5.   Place the selected pattern on the panel in compliance with the valid edge.
6.   It is allowed to reduce the spacing in order to place the pattern on the panel.

Panel thickness:	12.0 mm
Embedment TUF-S:	7.5 mm *

* Drill depth = Embedment + 0.5 mm
2× TUF-S per hanger

Wind-load [kN/m^2]	max. Spacing horizontal direction a_x [mm]						
	300	350	400	450	500	550	600
300	6.57	5.63	4.93	4.38	3.94	3.59	3.29
350		4.83	4.23	3.76	3.38	3.07	2.82
400			3.70	3.29	2.96	2.69	2.47
450				2.92	2.63	2.39	2.19
500					2.37	2.15	1.97
550						1.96	1.79
600							1.64

(left axis: max. Spacing vertical direction a_y [mm])

The tables are a non-binding aid. The proof of safety as well as an implementation planning based on it must always be provided in relation to the object. Influences from the hanger and horizontal profile are not considered. Maximum spacing from the vertical structure is 600mm.

The specified wind-load values are design values in accordance to EN 1991-1-4 (Eurocode). The safety factor $\gamma_Q = 1.5$ has been taken into account.

All calculations, measurements, fasteners and design methods have to be verified by a responsible designer or engineer, regarding the corresponding structure and load. Please consult your national norms and approvals.