

# Aqua / TR1034-6

MyWall Collection / Architectural metal envelopes for facades

- Hot-dip galvanised structural steel sheet corrugated profile with high structural efficiency.
- Metal cladding for façades in industrial, residential and commercial buildings.
- Product CE marked according to EN 14782 and EN 1090-1.
- Usable width of 1034 mm and production lengths up to 8,000 mm.
- Available in A/B variants to allow for alternation and provide complete freedom in façade design.
- Extensive colour palette and wide range of highly durable coatings.



CE



**Kingspan**

**TECZONE**

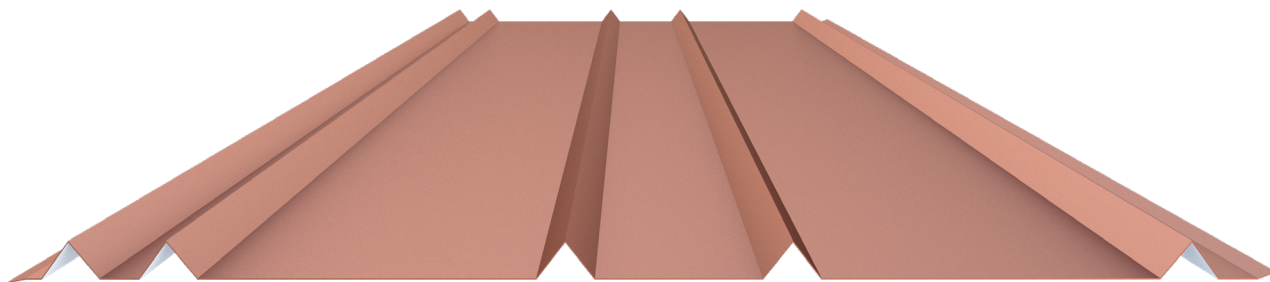
# Aqua / TR1034-5

## MyWall Collection

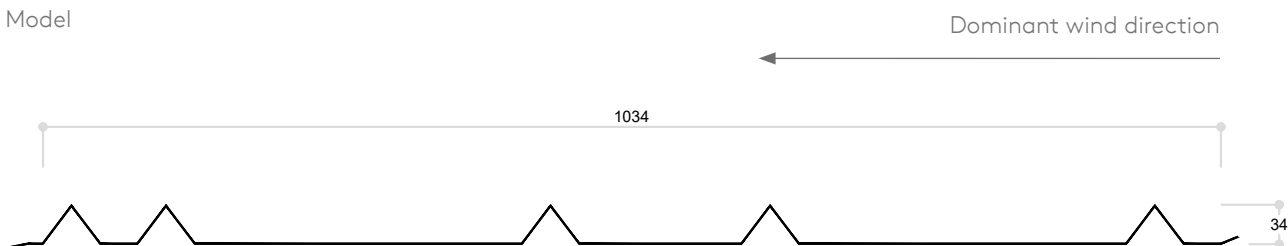
### MODELO A / B

The Aqua profile has been designed based on a reversible geometry concept, offering complete architectural freedom through its two joint variants: Model A and Model B:

- **Same Geometry, Dual Orientation:** Both models share a clear width of 1034 mm and a profile height of 34 mm. The difference lies solely in the configuration of their overlaps.
- **Installation Versatility:** This technical innovation allows the same profile to be used in two orientations, facilitating installation and adapting to the required design direction.
- **Creative Potential:** This duality multiplies the possibilities for façades, allowing for the creation of plays of light and shadow, visual rhythms and varied volumetric effects.



Model



Model



# Aqua / TR1034-5

## MyWall Collection

### MANUFACTURING CHARACTERISTICS

Useful width		1034 mm
Maximum manufacturing length		8,000 mm
Thickness*	Steel	0.6 / 0.7 mm
	Aluminium	1.0 mm
Steel coatings	Standard	Galvanised Z275 Galvanised and coated with 25 µm silicone polyester
	Special	HD, HDS, HDX, PVDF
Aluminium coatings	Standard	Galvanised and coated with 25 µm silicone polyester
	Special	Special finishes available on request

(\*) Other thicknesses available on request.

#### Steel sheet certifications

Steel used in accordance with standard EN 10346 (galvanised) and standard EN 10169 (organic coatings).

#### Aqua profile certification /TR1034-5

CE marked according to EN 14782:2006 and EN 1090-1:2009+A1:2011.



### TECHNICAL DATA OF THE PROFILE

MATERIAL	THICKNESS (mm)	PROFILE WEIGHT (kg/m <sup>2</sup> )
Steel	0.6	6.04
	0.7	7.04
Aluminium	1.0	3.46

### REACTION TO FIRE







The TR1034-5 profile has the reaction to fire classification A1 according to EN 13501-1:2018 (Euroclasses).

# Aqua / TR1034-5

## MyWall Collection







### STEEL

MAXIMUM PRESSURE LOADS ON STEEL (daN/m<sup>2</sup>)

e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1000	1250	1500	1750	2000	2250	2500
0,6		315	177	114	79	58	44	35	26
		219	126	82	58	43	26	20	16
		269	158	103	72	54	32	25	20
0,7		365	205	131	91	67	51	41	30
		306	172	110	76	56	43	34	27
		383	215	137	95	70	54	42	34

1 daN/m<sup>2</sup> ≈ 1 kp/m<sup>2</sup>

MAXIMUM ALLOWABLE SUCTION LOADS FOR STEEL (daN/m<sup>2</sup>)

e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1000	1250	1500	1750	2000	2250	2500
0,6		-231	-102	-65	-45	-33	-26	-20	-16
		-309	-176	-113	-79	-58	-44	-35	-28
		-344	-198	-128	-90	-67	-40	-32	-26
0,7		-305	-171	-110	-76	-56	-43	-33	-25
		-517	-298	-131	-91	-67	-51	-41	-33
		-479	-269	-150	-106	-78	-60	-48	-39

1 daN/m<sup>2</sup> ≈ 1 kp/m<sup>2</sup>

#### NOTES:




- The values given in the table are permissible loads without majoring to be compared with the sum of characteristic loads (without majoring) for each project.
- Tables calculated according to Eurocode 3 part 1.3. Maximum permissible deflection criterion: L/200 where L is the distance between supporting purlins.
- Tables valid only for pre-dimensioning. The designer must carry out the structural calculation in accordance with the regulations applicable in each country.
- In the case of pressure loads the calculation has been carried out for a bearing width of 75 mm. In case of a smaller support width the permissible load values can be significantly reduced.
- For other configurations or load cases please contact our technical department. Kingspan | Teczone expressly disclaims any liability arising from the use of these tables.
- The load tables are calculated using S220GD quality for a thickness of 0.6 mm and S320GD quality for a thickness of 0.7 mm.

# Aqua / TR1034-5

## MyWall Collection



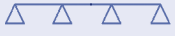
### ALUMINIUM

MAXIMUM PRESSURE LOADS ON ALUMINIUM (daN/m<sup>2</sup>)

e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1000	1250	1500	1750	2000	2250	2500
1,0		148	82	52	36	26	20	16	13
		222	125	80	56	41	31	25	20
		244	134	84	58	42	32	25	20

daN/m<sup>2</sup> ≈ 1 kp/m<sup>2</sup>

MAXIMUM ALLOWABLE SUCTION LOADS FOR ALUMINIUM (daN/m<sup>2</sup>)

e (mm)	SUPPORTS	SPAN BETWEEN SUPPORTS (mm)							
		750	1000	1250	1500	1750	2000	2250	2500
1,0		-222	-125	-80	-56	-36	-24	-17	-13
		-156	-86	-54	-37	-27	-21	-16	-13
		-195	-107	-67	-46	-34	-26	-20	-16

daN/m<sup>2</sup> ≈ 1 kp/m<sup>2</sup>

#### NOTES:

- The values given in the table are permissible loads without majoring to be compared with the sum of characteristic loads (without majoring) for each project.
- Tables calculated according to Eurocode 9 part 1.4. Maximum permissible deflection criterion: L/200 where L is the distance between supporting purlins.
- Tables valid only for pre-dimensioning. The designer must carry out the structural calculation in accordance with the regulations applicable in each country.
- In the case of pressure loads the calculation has been carried out for a bearing width of 75 mm. In case of a smaller support width the permissible load values can be significantly reduced.
- For other configurations or load cases please contact our technical department. Kingspan | Teczone expressly disclaims any liability arising from the use of these tables.



Download the latest version by scanning the QR code or by clicking [here](#)

Teczone Española S.A.U. reserves the right to modify the contents of this document without any prior warning. Every effort has been made to ensure that the content of this publication is accurate, but Teczone Española S.A.U. and its affiliated companies are not responsible for errors or information that may be misleading. Suggestions regarding the final use or application of the products or work methods are merely informative and Teczone Española S.A.U. and its affiliates do not accept any responsibility in this regard.