Palazzoli

General
Catalogue

2019/2020

Palazzoli

CHIAREZZA DELLA FUNZIONE
SEMPLICITÀ DI PROGETTO
QUALITÀ DELLA MANIFATTURA

CLARITY OF FUNCTION
PROJECT SIMPLICITY
QUALITY OF MANUFACTURE

TAIS CUBE

Click Cube Palazzoli

GOOD DESIGN
INTERNATIONAL AWARD

TAIS CUBE series
Distribution and automation boards

Palazzoli Thermosetting GRP
heavy-duty applications

BOARDS
AND BOXES

TAIS CUBE

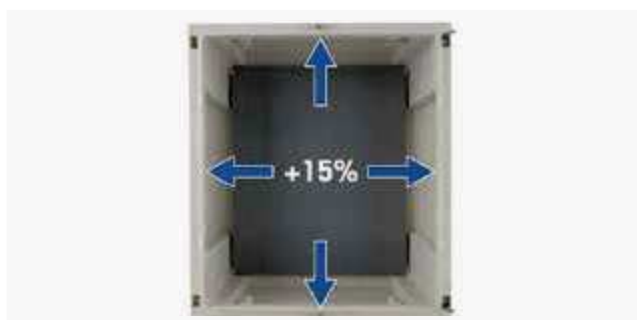## Resistant to everything thanks to the Palazzoli thermosetting GRP

TAIS Cube has a very high protection rating, IP66. This feature, certified in a laboratory with a 100 l/min water jet test, guarantees the product against strong water jets.

The steel frame allows to easily mount modular devices and trunking, and to comfortably wire everything on the bench, out of the board.
The wired frame can then be easily inserted inside the board. The material of which it is made guarantees robustness and durability over time.

The unique product design provides a wide and spacious enclosure. As a consequence the back plate and door (choose from blind or transparent) offer 15% of extra space available if compared with similar sizes of the major competitiors.

The door hinges, made of steel and nickel-plated brass, are located far from the edges to avoid breakage in the case of impact.

Suitable for thermal power plants, cement plants, mineral oil extraction plants, nuclear plants and laboratories, commercial and exhibition activities, airports, photovoltaic installations, railway and underground facilities.

Size	No. of vertical modules	No. of DIN modules	Outer dimensions	Internal usable dimensions	Distribution board with blind door	Distribution board with transparent door
1	-	-	260x305x160	200x250x100	550001	550031
2	3	36 (3X12)	340x430x180	280x375x120	550002	550032
3	3	54 (3X18)	450x505x220	390x450x160	550003	550033
4	4	72 (4X18)	450x655x220	390x600x160	550004	550034
5	4	96 (4X24)	560x655x260	500x600x200	550005	550035
6	5	140 (5X28)	630x810x300	570x750x235	550006	550036
7	5	200 (5X40)	850x1060x350	790x1000x290	550007	550037

THE REVOLUTIONARY **Click Cube** *Palazzoli* QUICK COUPLING SYSTEM

fitting the springs —————— assembling the frame —————— fitting the frame

AUTOMATION			DISTRIBUTION					
Back plate in steel	Back plate in thermosetting GRP	Inner door in thermosetting GRP	Click Cube functional frame	Click Cube windowed panel	Click Cube blind panel	Click Cube double blind panel	Click Cube DIN rail	Click Cube partial steel plate
550601	550621	-	-	-	-	-	-	-
550602	550622	550502	550562	550522	550542	550552	550582	550632
550603	550623	550503	550563	550523	550543	550553	550583	550633
550604	550624	550504	550564					
550605	550625	550505		550525	550545	550555	550585	550635
550606	550626	550506	550566	550526	550546	550556	550586	550636
550607	-	550507	550567	550527	550547	550557	550587	550637

COMMON ACCESSORIES				
Set of 4 brackets		Security lock	Support for pole mounting	
Galvanised	Stainless steel		For sizes 1-2	For sizes 3-4-5
550640	550641	550680	550642	550643

BOARDS AND BOXES

TAIS Cube series distribution and automation boards are a range of products in Palazzoli thermosetting GRP for heavy-duty applications with IP66 protection rating and resistant to UV rays. The system is composed of 7 sizes in each version with blind or transparent door.

The accessories to use the board in typical configurations of automation are the back plate in steel sheet or in thermosetting GRP and the inner door in thermosetting GRP, equipped with opening handles and that can be installed at two different positions and fixed on both sides. In the distribution configuration, the steel frame allows for modular compositions with blind and windowed panels, depth-adjustable DIN rails and partial back plates. All elements are simply fixed with the **"Click Cube"** snap-in system.

The wiring can be performed on the bench or directly inside the distribution board.

The door is fixed to the back box with elements in nickel-plated brass and stainless steel located far from the edges and that allow an opening wider than 180°.

Compliance with standards	**IEC/EN 62208**
Material	**Palazzoli thermosetting GRP**
Protection rating (IP according to IEC/EN 60529)	**IP66**
Colour	**RAL7035**
Resistance to abnormal heat and fire ("Glow Wire" according to IEC/EN 60695-2-10)	**960°C**
Flammability rating (according to UL94)	**V0**
Impact resistance (IK grade according to IEC/EN 62262)	**IK10**
Rated frequency	**0 - 1000 Hz**
Rated voltage AC	**1000 Vac**
Rated voltage DC	**1500 Vcc**
Rated impulse seal voltage	**8kV**
Maximum short-circuit current Icc	**35kA**
Insulation class	**II** ▣
Storage temperature	**-50°C - +90°C**
Operating temperature	**-30°C - +90°C**

WEB - TAIS CUBE

The website dedicated to the distribution and automation boards of the TAIS CUBE series is available at www.palazzoli.com

CE

Resistance to chemical agents

WATER	SALINE SOLUTION	ACIDS		BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLORO-ETHYLENE	BENZENE
↑	↑	→	↑	↑	↑	↑	↑	↑	↑
OILS		FATS		AMMONIA	OXIDISERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑

Legend: ↑ high resistance   → partial resistance

TAIS CUBE series
Distribution and automation boards

Distribution boards
in thermosetting GRP
with **blind door**
IP66

Size	Outer dimensions (mm)	Usable inner dimensions (mm)	No-load power dissipation (W)	Palazzoli code	Pack Qty
1	260x305x160	200x250x100	53	**550001**	1
2	340x430x180	280x375x120	90	**550002**	1
3	450x505x220	390x450x160	138	**550003**	1
4	450x655x220	390x600x160	174	**550004**	1
5	560x655x260	500x600x200	217	**550005**	1
6	630x810x300	570x750x235	302	**550006**	1
7	850x1060x350	790x1000x290	506	**550007**	1

Equipment included: key with triangular insert, screw cover caps for double insulation.

Distribution boards
in thermosetting GRP
with **transparent door**
IP66

Size	Outer dimensions (mm)	No. of DIN modules	No-load power dissipation (W)	Palazzoli code	Pack Qty
1	260x305x160	-	53	**550031**	1
2	340x430x180	36 (3x12)	90	**550032**	1
3	450x505x220	54 (3x18)	138	**550033**	1
4	450x655x220	72 (4x18)	174	**550034**	1
5	560x655x260	96 (4x24)	217	**550035**	1
6	630x810x300	140 (5x28)	302	**550036**	1
7	850x1060x350	200 (5x40)	506	**550037**	1

Equipment included: key with triangular insert, screw cover caps for double insulation.

Technical accessories:

page 163

Back plates
in **steel**

Size	Dimensions (mm)	Palazzoli code	Pack Qty
1	180x240	**550601**	5
2	260x370	**550602**	5
3	370x445	**550603**	5
4	370x595	**550604**	1
5	475x595	**550605**	1
6	550x745	**550606**	1
7	765x995	**550607**	1

Equipment included: complete with screws for mounting.

Back plates
in thermosetting GRP

Size	Dimensions (mm)	Palazzoli code	Pack Qty
1	180x240	**550621**	5
2	260x370	**550622**	5
3	370x445	**550623**	5
4	370x595	**550624**	1
5	475x595	**550625**	1
6	550x745	**550626**	1

Equipment included: complete with screws for mounting.

Click Cube reversible
inner doors
in thermosetting GRP

Size	Dimensions (mm)	Palazzoli code	Pack Qty
2	280x375	**550502**	4
3	388x450	**550503**	4
4	388x600	**550504**	4
5	496x600	**550505**	1
6	568x750	**550506**	1
7	784x1000	**550507**	1

Features: inner-door is reversible and can be easily opened using the appropriate handles. It can be installed at two different depths.

Click Cube quick-fit **functional frames** for the installation of front panels and DIN rails

Size	Installable panels	Palazzoli code	Pack Qty
2	3	**550562**	6
3	3	**550563**	6
4-5	4	**550564**	6
6	5	**550566**	1
7	5	**550567**	1

Equipment included: complete with springs for fastening to the distribution board.
Features: it allows the wiring of the modular panels outside of the board and the installation of DIN rails at different heights.

Click Cube front blind **panels** at double height

Size	Height (mm)	Palazzoli code	Pack Qty
2	250	**550552**	4
3-4	300	**550553**	4
5	300	**550555**	1
6	300	**550556**	1
7	400	**550557**	1

Features: quick fitting with 1/4 turn screws.

Click Cube front windowed **panels** with DIN rail for modular devices

Size	Height (mm)	No. of DIN modules	Palazzoli code	Pack Qty
2	125	12	**550522**	6
3-4	150	18	**550523**	6
5	150	24	**550525**	4
6	150	28	**550526**	4
7	200	40	**550527**	1

Equipment included: modular covers.
Features: quick fitting with 1/4 turn screws.

Click Cube reinforced **DIN rails** for frames

Size	No. of DIN modules	Palazzoli code	Pack Qty
2	12	**550582**	6
3-4	18	**550583**	6
5	24	**550585**	1
6	28	**550586**	1
7	40	**550587**	1

Equipment included: complete with screws for mounting.

Click Cube front blind panels at single height

Size	Height (mm)	Palazzoli code	Pack Qty
2	125	**550542**	6
3-4	150	**550543**	6
5	150	**550545**	4
6	150	**550546**	4
7	200	**550547**	1

Features: quick fitting with 1/4 turn screws.

Click Cube height-adjustable steel **partial plates**

Size	Height (mm)	Palazzoli code	Pack Qty
2	125	**550632**	1
3-4	150	**550633**	1
5	150	**550635**	1
6	150	**550636**	1
7	200	**550637**	1

Equipment included: complete with screws for mounting.

TAIS CUBE series
Distribution and automation boards

Palazzoli Thermosetting GRP
heavy-duty applications

BOARDS
AND BOXES

Set of **brackets**
for wall-mounting

No. of brackets	Material	Palazzoli code	Pack Qty
4	Galvanised steel	**550640**	20
4	Stainless steel	**550641**	5

Features: they can be mounted horizontally, vertically or hidden, retaining the double insulation.

Distribution board kit
with frame windowed panels and DIN rails

Size	No. of DIN modules	Palazzoli code	Pack Qty
2	36 (3x12)	**550042**	1
3	54 (3x18)	**550043**	1
4	72 (4x18)	**550044**	1
5	96 (4x24)	**550045**	1
6	140 (5x28)	**550046**	1
7	200 (5x40)	**550047**	1

Pair of **accessories**
for pole mounting

Size	Material	Palazzoli code	Pack Qty
1-2	steel	**550642**	1
3-4-5	steel	**550643**	1

Features: prearrangement for metal clamp for fastening to poles with diameter >80mm.

Click Cube brackets
for fixing the cable ducts

No. of brackets	Material	Palazzoli code	Pack Qty
8	steel	**550648**	1

Equipment included: complete with screws for mounting.
Notes: for all frame sizes. Suitable for cable ducts, max height 40mm.

Click Cube adaptor kit

Size	Length (mm)	Palazzoli code	Pack Qty
2	70	**550662**	1
3-4	110	**550663**	1
5	150	**550665**	1
6	190	**550666**	1
7	240	**550667**	1

Notes: the kit is used to install the Click Cube frame in boxes that were not made to accommodate it (before 2015).
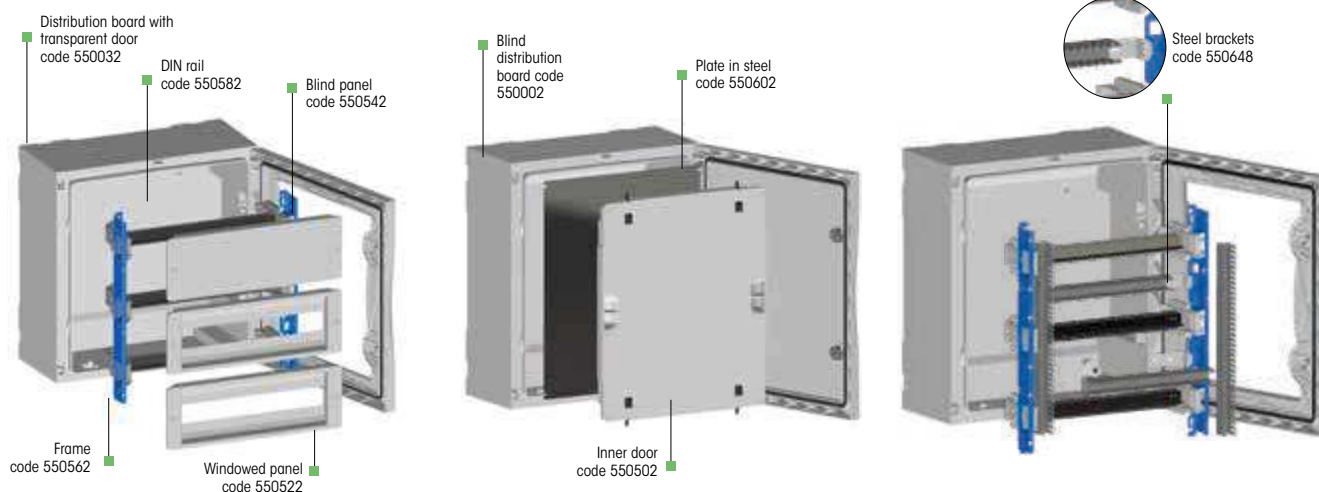The adaptors can also be used as spacers for the back plates.

Security lock
with handle

No. of keys	Material	Palazzoli code	Pack Qty
2	steel	**550680**	10

Features: closing with Yale code key.

Distribution board with transparent door code 550032
DIN rail code 550582
Blind panel code 550542
Frame code 550562
Windowed panel code 550522

Blind distribution board code 550002
Plate in steel code 550602
Inner door code 550502

Steel brackets code 550648

Palazzoli

excellence
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