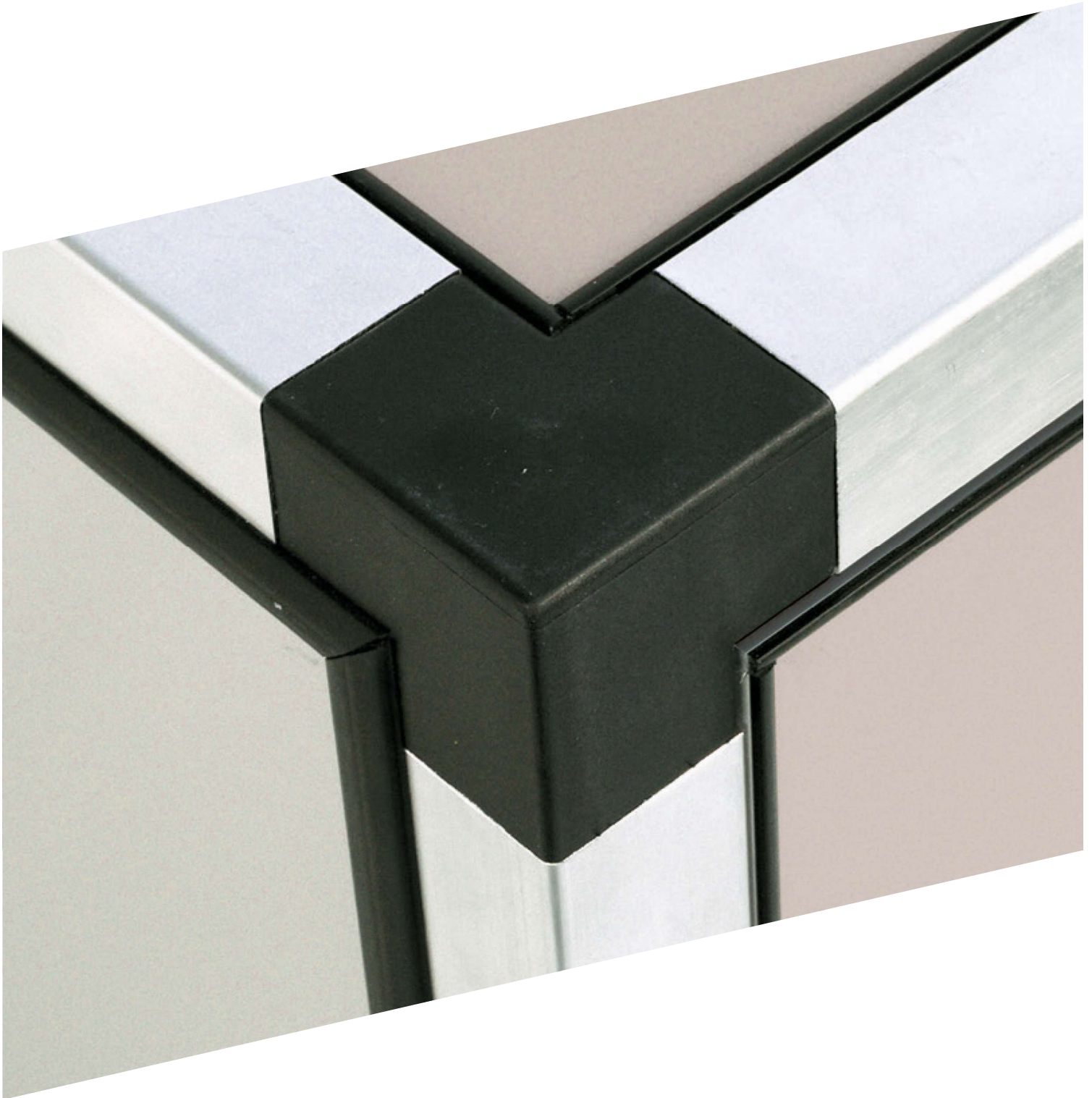


PANELS OFFERED BY
MODULAR FRAMING SYSTEMS, INC.



MODULAR
FRAMING
SYSTEMS, INC.





P3isomac products provided by Modular Framing Systems are primarily designed for use in paneling commercial air handling units.

P3isomac users not only gain big advantages in terms of performance, they also enjoy customized solutions that meet specified requirements and experience significant savings in terms of time and money.

The P3isomac system consists of:

Materials: special sandwich panels with sheet metal or aluminum facings and plastic profiles for the framing out the edges of panels.

Services: Panels can be cut to size, framed as necessary, and ready to be installed upon delivery.

In addition to air handling units, P3isomac can be used for a wide range of applications including, but not limited to:

- Enclosures of all types; outdoor and indoor
- Fan boxes and equipment cabinets
- Suspended ceilings & partition walls
- Large equipment vestibules





our ecological footprint to save nature



The P3isomac panel is produced utilizing our patented Hydrotec Technology (International Patent EP 1115771B), which allows us to eliminate the greenhouse effect (GWP=0) and impact on the ozone present in the atmosphere (ODP=0) during production. The environmental compatibility of the P3isomac panel has been achieved through the use of water in the

expansion process of the polyurethane foam, instead fluorinated gases (CFC, HCFC, HFC) and hydrocarbons (HC) which contribute to greenhouse effect. The Hydrotec Technology used in the expansion of the Rigid Polyurethane PUR complies with all European Standards and anticipates future provisions which may eventually include a ban all fluorinated gases.



Quality performances

Thermal insulation

P3isomac panels are made of a polyurethane foam that, due to the high number of closed cells (exceeding 95%), has a specific thermal conductivity value of 0,024 W/(m °C) with insulation R-Values of 5.68 at 25mm thick, 10.52 at 45mm thick, and 12 at 52mm thick. Compared to traditional foam panels, P3isomac panels provide a thermal insulation that is both uniform and continuous in every way.

Sound insulation

The sandwich structure of the panels (sheet/ polyurethane/ sheet) and the high density of the foam ensure a high level of sound-proofing.

Mechanical resistance

The exclusive production system guarantees that the P3isomac panels are extremely resistant to mechanical strains, responding very well to traction and compression forces.

Life

Thanks to the sandwich structure and the quality of the outer coating, P3isomac panels guarantee a noteworthy resistance towards erosion, deformation and corrosion.

Conformity

The TSC system for the production of P3isomac panels, guarantees a perfect continuity of thickness and a perfect adhesion between the sheet and the polyurethane foam.



The “turn key method”

THE ADVANTAGES OF “OUTSOURCING”

With panels pre-cut and framed out to your specifications, we can provide “Turn key” product solution that allows you to concentrate your attention on the heart of your business without worrying about the supply and quality of the panels. With a dependable partner you can lower the fixed costs linked to production, while increasing design flexibility and specialization.

SPEED OF DELIVERY

After receiving a list of sizes, we can supply finished panels ready for installation. A rapid and punctual delivery can be guaranteed due to: flexible productivity, our high performance equipment, and the efficiency of our commercial and logistical organization.

CERTAINTY OF COSTS

By ordering panels already cut and framed, no extra work is required. The cost is predictable and clear in advance... without any unexpected surprises when the job is completed.



Frame bd. type		Panel Size Reduction Relative to Frame Opening (Inches)	
26TB25/50		Doors 1/4"	Fixed Panels 3/16"

Technical Data

Full Sheet Panels

CLASSIC LINE

	external coating			internal coating			foam		dimensions	code	
	colour	type	thick.	colour	type	thick.	type	density		panel thick. 25 mm/0.98 in	panel thick. 45,5 mm/1.8 in
		galvanized sheet	0.5 mm 0.019 in		galvanized sheet	0.5 mm 0.019 in	expanded polyurethane	44-47 kg/m ³ 2.74-2.95 lb/ft ³	3.02x1.25 m 118,9x49,2 in	16ZN25	16ZN50
		white/grey pre-varnished sheet	0.5 mm 0.019 in		galvanized sheet	0.5 mm 0.019 in	expanded polyurethane	44-47 kg/m ³ 2.74-2.95 lb/ft ³	3.02x1.25 m 118,9x49,2 in	16ZG25	16ZG50
		white/grey pre-varnished sheet	0.5 mm 0.019 in		white/grey pre-varnished sheet	0.5 mm 0.019 in	expanded polyurethane	44-47 kg/m ³ 2.74-2.95 lb/ft ³	3.02x1.25 m 118,9x49,2 in	16GG25	16GG45

SPECIAL LINE

	external coating			internal coating			foam		dimensions	code	
	colour	type	thick.	colour	type	thick.	type	density		panel thick. 25 mm/0.98 in	panel thick. 45,5 mm/1.8 in
		aluzinc sheet	0.5 mm 0.019 in		aluzinc sheet	0.5 mm 0.019 in	expanded polyurethane	44-47 kg/m ³ 2.74-2.95 lb/ft ³	3.02x1.25 m 118,9x49,2 in	16AA25	16AA45
		silver pre-varnished aluminium sheet	0.5 mm 0.019 in		silver pre-varnished aluminium sheet	0.5 mm 0.019 in	expanded polyurethane	44-47 kg/m ³ 2.74-2.95 lb/ft ³	3.02x1.25 m 118,9x49,2 in	16AP25	16AP50
		white/grey pre-varnished sheet	0.5 mm 0.019 in		stainless steel AISI 304	0.5 mm 0.019 in	expanded polyurethane	44-47 kg/m ³ 2.74-2.95 lb/ft ³	3.02x1.25 m 118,9x49,2 in	16XG25	16XG45
		white gelcoat fibreglass	1.2 mm 0.04 in		white gelcoat fibreglass	1.2 mm 0.04 in	expanded polyurethane	44-47 kg/m ³ 2.74-2.95 lb/ft ³	3.02x1.25 m 118,9x49,2 in	16GC25	16GC45

R-Values - 5.68 at 25mm thick, 10.52 at 45mm thick, and 12 at 52mm thick

Other colors; dimensions; sheets or panel thickness available on request

Turn key service:

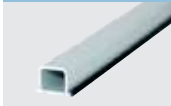
Panels Cut To Size

external coating			internal coating			foam		dimensions	code	
colour	type	thick.	colour	type	thick.	type	density		panel thick. 25 mm/0.98 in	panel thick. 45,5 mm/1.8 in
	white/grey pre-varnished sheet	0.5 mm 0.019 in		galvanized sheet	0.5 mm 0.019 in	expanded polyurethane	44-47 kg/m ³ 2.74-2.95 lb/ft ³	3.02x1.25 m 118,9x49,2 in	16ZG25	16ZG50

Others types on request

Framed Panel Edges

Cod. 26TB25 thickness 25 mm/0.98 in



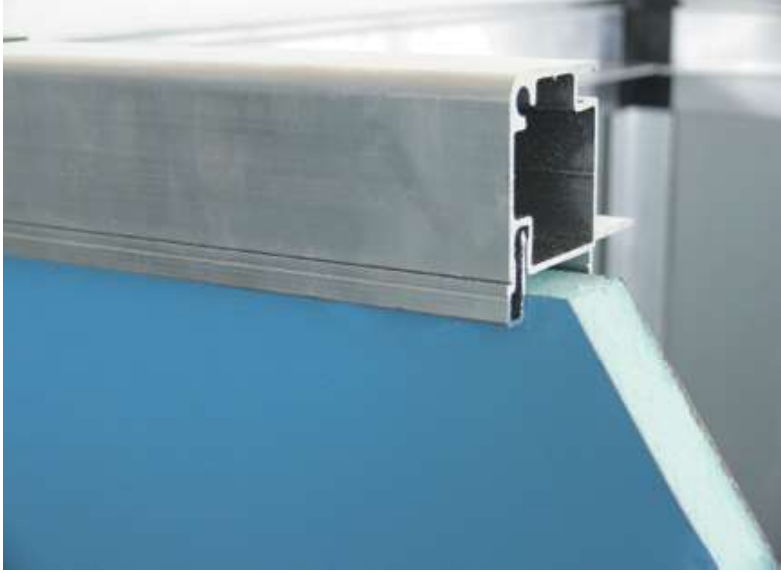
Tubular frame border

Cod. 26TB50 thickness 45.5 mm/1.8 in



Tubular frame border





MFS Stopper System

Economic, overall pneumatic seal, fast installation, easy AHU inspection. Discover the advantages of Modular Framing System's Stopper System.

Advantages

Overall pneumatic seal: compared to the traditional "screw on" system, the MFS Stopper System blocks the panel evenly along the entire outline of the profile. The "screw on" system assures a top pneumatic sealing only at the individual fastening points. Thanks to the MFS Stopper System it is possible to fully exploit the excellent performances of the P3isomac insulation panel.

Inspecting the AHU:

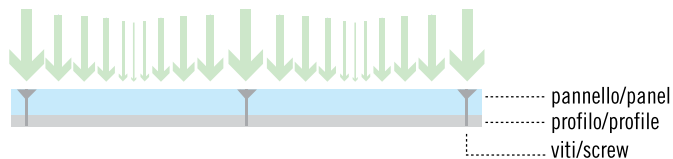
The MFS Stopper System features ease of access for inspection. Internal maintenance of the AHU is faster, and there is no need to waste time fastening and unfastening screws and bolts. The performances of the MFS Stopper system does not change after removal and re-installation of panels unlike screws or fasteners which can become loose, strip out, or get lost during regular or emergency maintenance.

Installation speed: To achieve the same air seal performance of the MFS Stopper System, the traditional "screw on" method requires installation with numerous fasteners at several fastening points along the same linear footage. The MFS Stopper System is quick and easy to install with consistent performance and seal at any given length.

Economic aspect: The quick, easy, accurate assembly of the MFS Stopper System with P3isomac panels reduces errors and increases output. This means you effectively produce more at a lower overall cost.

Safety: The reduction or absence of internal fastener protrusions reduces the risk of injury during fabrication and regular AHU maintenance and cleaning.

Sistema tradizionale "a viti" = tenuta pneumatica variabile
Traditional "screw on" system = variable pneumatic seal



Sistema Stopper = tenuta pneumatica costante
Stopper system = constant pneumatic seal

