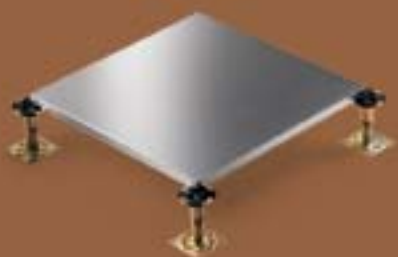


Evolution on access floor panels



JVP

Raised access floor
Pavimento **sopraelevato** accessibile



Message From **The Founder**



During 1997 while seated in an airport lounge idly passing the time away, I noticed an aluminum soft drinks can.

My never-ending curiosity caused me to think about its specialist rounded rim joint. I saw there were no sharp edges, which might cause injury, and that it was a robust structure – nice simple idea.

After a short while, I also noticed the same joint on the cylindrical ducting in the ceiling, this time in steel.

Much later on I found out that this joint is called “curling”.

Applying this curling idea to raised access floor panels was relatively easy.

Transforming the idea into a real product, however, was another matter. It involved the design of a fully automated production line from start to finish.

With the help of fantastic staff, after nine months the first production line for the “4x4 panels” was installed in Italy close to Venice – my motherland.

Our goal was to utilize the latest technology while establishing a safe environment for its operators.

Considerable attention was also given to environmental issues, energy savings, consistency of production output, tolerances and performances.

This first production line became a reality in 1998. It was fully automated producing 500 4x4 precision panels per hour.

Today we produce over 1000 panels per hour using the third generation production line, while maintaining the same meticulous engagement as in the past. We continue to advance through research and development.

We are committed to making advances in quality, performance and service.

A simple idea has gone a long way!

The Founder



floor



JVP

Raised access floor
Pavimento **sopraelevato** accessibile

The path taken by J.V.P. is supported by our worldwide experience since 1977.

Our intention was always to provide “service with performance”, while manufacturing the product at the right price.

Simply put, we understood from the start that customer satisfaction would be achieved through consistency, while always striving for further improvements and efficiencies.





Evolution on access floor panels

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access



Worldwide understanding

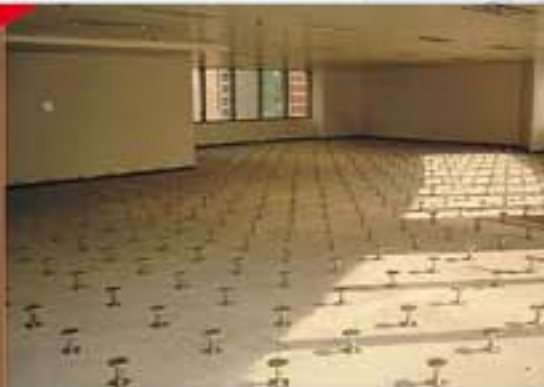
Concepts have more value when they become tangible realities

Evolution on access floor panels

In this global market J.V.P. keeps challenging its competence and capacity.

From Europe to the Far East, from the Americas to Australia and from Middle East to India, J.V.P. frequently surpasses customer expectations, in terms of product, quality, delivery and its practical use on site.

Gretag
Allreal
Zurich
Switzerland
12000 m²
C4TTM



Microsoft
Bruxelles
Belgium
3800 m²
C4TTM



ABB Tower
Berlaymont 2000
Coca Cola
Daimler Chrisler
Dogus Olive Grove Tower
Fuji
Hertz
IBM
M11

All Real
European Community
Coca Cola Inc
All Real
Is Bank
Fuji China
Autohellas
All Real
Bouygues Construction

Baden
Bruxelles
Bruxelles
Zuerich
Istanbul
Guanchaw
Athens
Zuerich
Paris

Switzerland
Belgium
Belgium
Switzerland
Turkey
China
Greece
Switzerland
France

16000 m²
74000 m²
15500 m²
6000 m²
13000 m²
6850 m²
8000 m²
25000 m²
16900 m²

C4TTM
C4TTM
C4TTM
C4TTM
P4TTM
C4TTM
C4TTL
C4TTM
C4TTL

Each geographical area has its own peculiar raised access floor requirements.

These range from extremes of temperature and humidity, performance and combustibility, which we have addressed. J.V.P. products satisfy global standards.



Blandonnet
Induini
Geneve
Switzerland
28000 m²
C4TTM

Elvox
Padova
Italy
1500 m²
C4TTM

Reuters
Induini
Geneve
Switzerland
3500 m²
P4TTM



Reyers
Bruxelles
11500 M²
Belgium
C4TTM



Cyberport
Hong Kong Land
Pokfulam road
Hong Kong
100000 m²
C4TTM

Maritime Project
Smith Kline Beecham
Three Pacific Place
Zac du Landy Ilot ZB3
Royal Bank Of Scotland H.Q.
City Point
Atlantic House
Cazenove H.Q.
Riverside House

GSK
Swire Group
Bouygues Construction
Royal Bank Of Scotland
Simmon & Simmons
Lovells
Cazenove
British Government

Limasol
London
Central
Saint Denis
Edinburgh
London
London
London
London

Cyprus
UK
Hong Kong
France
U.K.
U.K.
U.K.
U.K.
U.K.

8000 m²
56000 m²
43000 m²
30000 m²
35000 m²
28000 m²
19000 m²
13000 m²
18000 m²

C4TTM
C4TTH
P4TTM
C4TTL
C4TTM
C4TTM
C4TTM
C4TTM
C4TTM

Worldwide network

Locals speak the language

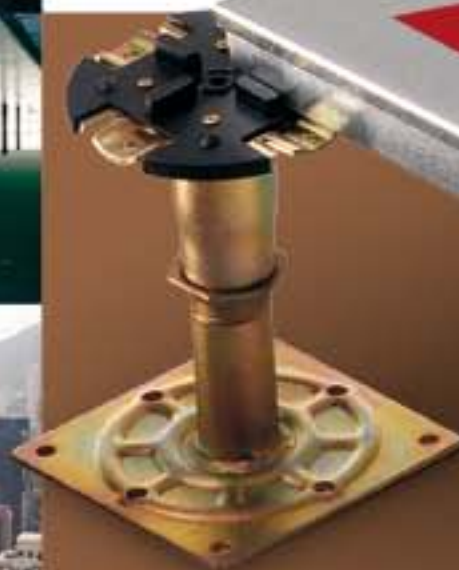
The world market sees J.V.P. as a specialist manufacturer in raised access floors while understanding local differences.

To match the product to the local demand we have established a worldwide network of professional Distributors and Contractors.

They are our presence in the

local markets, helping us to develop the product to meet their client's particular requirements and therefore, playing a major role in the customer satisfaction process.

The J.V.P.'s QA scheme requires us to approve our Distributors and Contractors based upon professionalism, technical capability, customer care and service orientated management.





CUSTOMER

SATISFACTION

CUSTOMERS

CONTRACTORS
DISTRIBUTORS

JVP

Quality

Consistency
in quality and volume

R&D oriented on new
materials and applications

Q.A. approval for
distributor/contractor

Quality on performance
from contractors

Service
on installation
and post sales

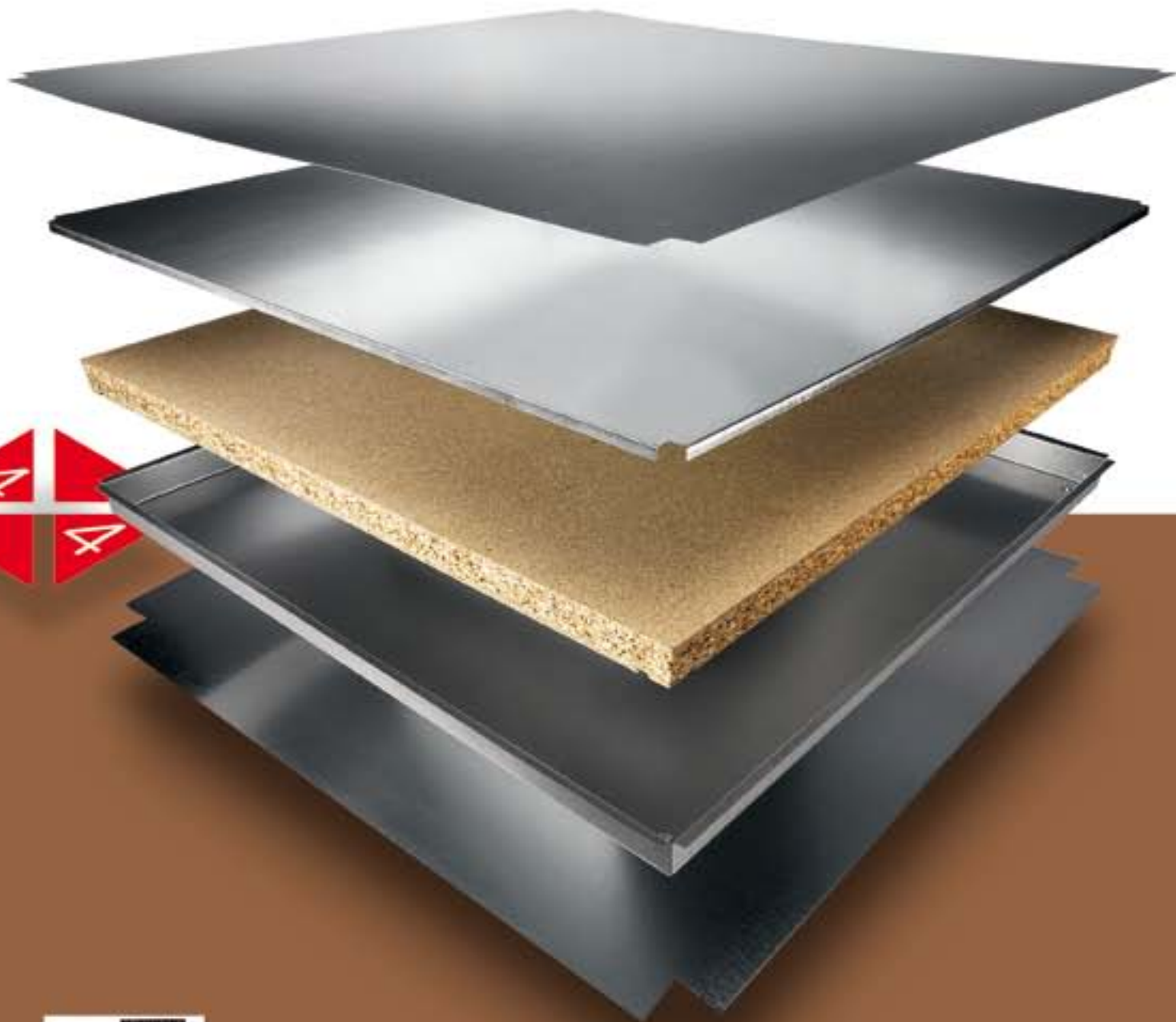


PATENT
US 6,418,697 B1
Number

Idea

Potential of future based on the acquired knowledge

The product is patented in more than 22 countries around the world and we believe it represents the best and simplest raised access floor solution.



It not only satisfies the demand for a light yet very robust product but also performs at its best as part of the construction process. For example, it is frequently used as a working platform for other trades.





Tools

*To convert a Concept into reality
demands the right tool*

Today the J.V.P. production line is state of the art, fully automated and computerized requiring only four technicians to produce one panel every three seconds.

A large stock storage area assures consistent short delivery times.

Evolution on access floor panels





J.V.P.'s quality control ISO 9001, Vision 2000 maintains high standards in management, production systems and regular testing.

We test at every phase of our manufacturing process.



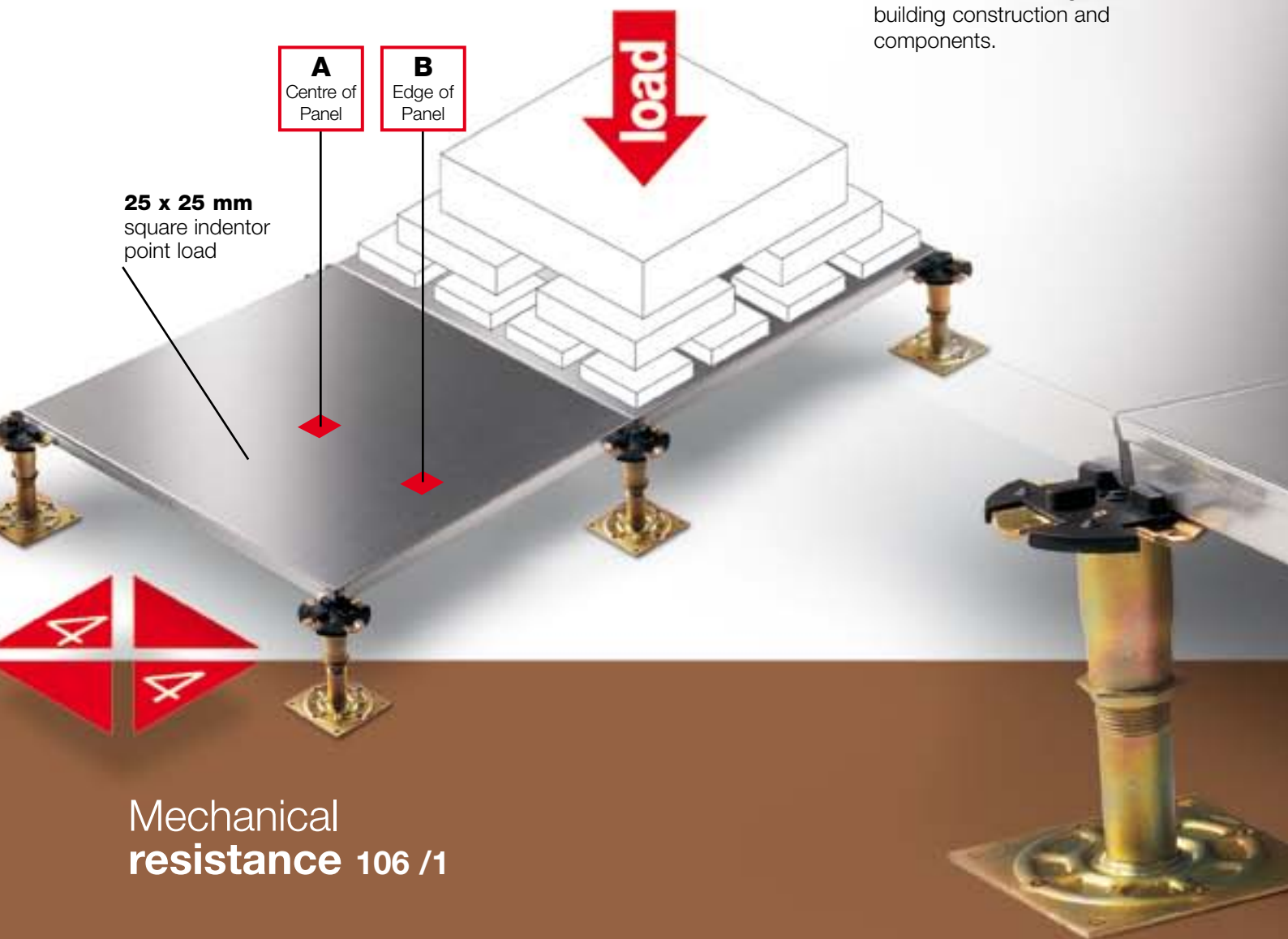
R a i s e d A c c e s s F l o o r



Performances

*We embrace Independent
Certification of product performances*

Full sets of test results from independent testing laboratories are available upon request. We comply with the European Directive 106 referring to building construction and components.



Mechanical resistance 106 /1

Load bearing capacity is one of the most important factors in satisfying global requirements. We are fully tested to the U.K. Standards, which are the most stringent in the world.

standard	panels mm 600x600x23		
	chipboard core	inert core	
	C3TTL	P3TTL	P3TTM
UNI EN 12825 Mechanical resistance	1/3,0/A/1	2/3,0/A/1	2/3,0/A/1
PSA MOB PF2 PS Mechanical resistance	Light Grade	Light Grade	Light Grade

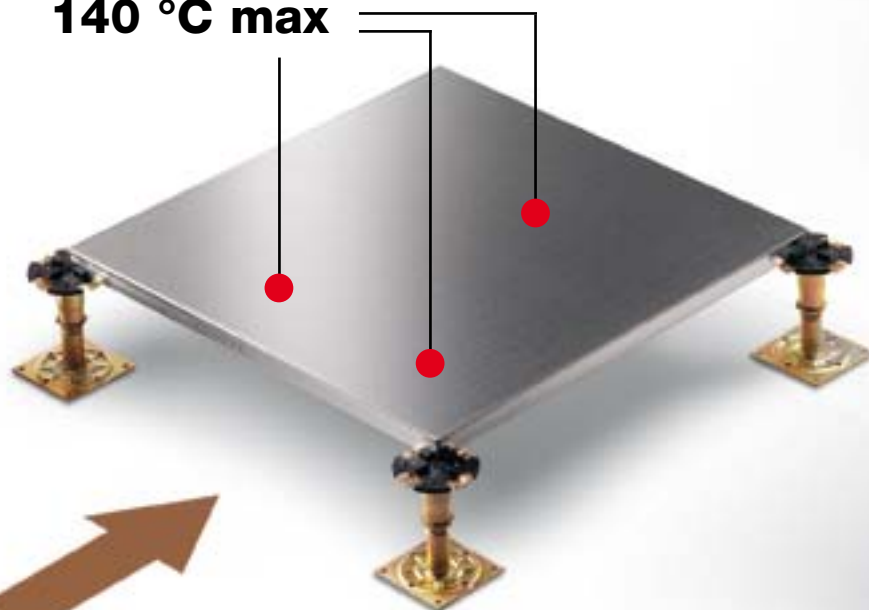


	panels mm 600x600x29			
	chipboard core		inert core	
standard	C4TTL	C4TTM	P4TTM	P4TTH
UNI EN 12825 Mechanical resistance	2/3,0/A/1	4/3,0/A/1	5/3,0/A/1	6/3,0/A/1
PSA MOB PF2 PS Mechanical resistance	Light Grade	Medium Grade	Medium Grade	Heavy Grade



Evolution on access floor panels

140 °C max



500°C



Fire ratings 106 /2

The directive on behaviour in case of fire is concerned with two main issues:

Fire Reaction

(no flame transmission, no fire load contribution)

and Fire Resistance

(mechanic resistance, emission of poisonous smoke, insulation of temperature).

The concrete slab caters for a major part of fire resistance. The ratings are intended to grant due time for full evacuation of the building when experiencing a fire hazard. Mechanical resistance and surface temperature are therefore significant factors.

standard	panels mm 600x600x23		
	chipboard core	inert core	
	C3TTL	P3TTL	P3TTM
UNI EN 13501-1 Reaction to the fire	Bfl-s1	A2fl-s1 (A1fl)*	A2fl-s1 (A1fl)*
UNI EN 13501-2 Resistance to the fire	REI 30r	REI 60r**	REI 60r**
PSA MOB PF2 PS - T19 Reaction to the fire	Class 1	Class 1	Class 1
PSA MOB PF2 PS - T20 Resistance to the fire	No instability	No instability	No instability

* on specific request, special inert glue

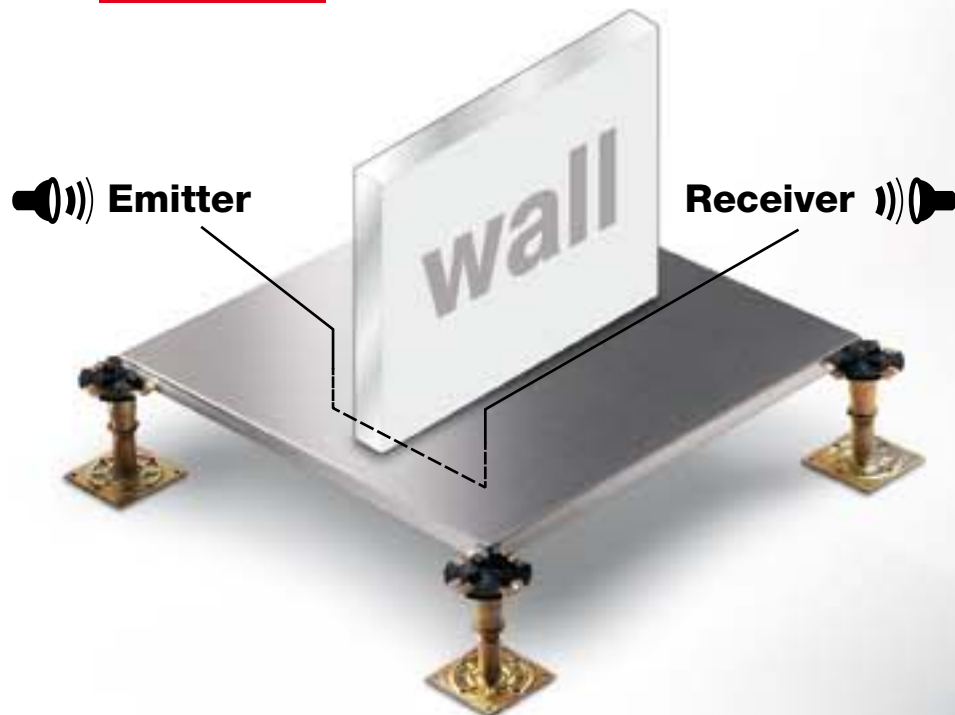
** test voluntarily stopped after 75 minutes



	panels mm 600x600x29			
	chipboard core		inert core	
standard	C4TTL	C4TTM	P4TTM	P4TTH
UNI EN 13501-1 Reaction to the fire	Bfl-s1	Bfl-s1	A2fl-s1 (A1fl)*	A2fl-s1 (A1fl)*
UNI EN 13501-2 Resistance to the fire	REI 30r	REI 60r**	REI 60r**	REI 60r**
PSA MOB PF2 PS - T19 Reaction to the fire	Class 1	Class 1	Class 1	Class 1
PSA MOB PF2 PS - T20 Resistance to the fire	No instability	No instability	No instability	No instability



Evolution on access floor panels



quiet

Noise **reduction** 106 /3

Noise levels are related to the quietness of the environment but their contribution to personal stress in the workplace is an important issue. Consequently J.V.P. test all panel models to perform at their best on noise absorption to avoid potential health problems to building occupants.

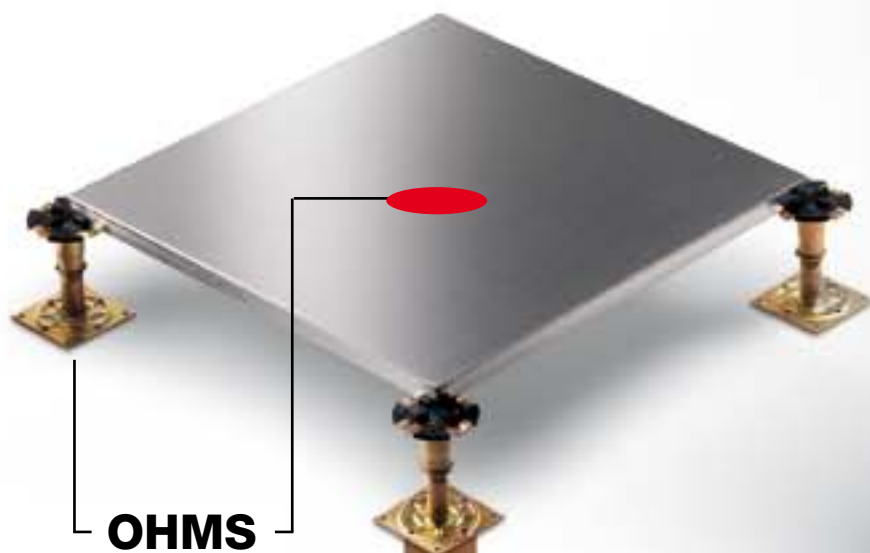
standard	panels mm 600x600x23		
	chipboard core	inert core	
	C3TTL	P3TTL	P3TTM
ISO R 717-1 Airborn noise, bare panels	Dn,f,w dB 42	Dn,f,w dB 43	Dn,f,w dB 43
ISO R 717-2 Impact noise, bare panels	Ln,f,w dB 68	Ln,f,w dB 67	Ln,f,w dB 67



	panels mm 600x600x29			
	chipboard core		inert core	
standard	C4TTL	C4TTM	P4TTM	P4TTH
ISO R 717-1 Airborn noise, bare panels	Dn,f,w dB 42	Dn,f,w dB 46	Dn,f,w dB 44	Dn,f,w dB 44
ISO R 717-2 Impact noise, bare panels	Ln,f,w dB 68	Ln,f,w dB 69	Ln,f,w dB 67	Ln,f,w dB 67



Evolution on access floor panels



earth



Safety in use 106 /4

The product must be consistently manufactured to all dimensions and tolerances to allow the installers to achieve a level floor with no potential trip hazards.

During installation as well as maintenance, another important factor is safety when handling the product. This is successfully achieved by the J.V.P. double steel fold, which minimizes the danger from exposed sharp edges.

standard	panels mm 600x600x23		
	chipboard core	inert core	
	C3TTL	P3TTL	P3TTM
UNI EN 12825 deviation in lenght, class 1	+/- 0,2 mm	+/- 0,2 mm	+/- 0,2 mm
UNI EN 12825 deviation in tickness, class 1	+/- 0,3 mm	+/- 0,3 mm	+/- 0,3 mm
UNI EN 12825 deviation in squareness, class 1	+/- 0,3 mm	+/- 0,3 mm	+/- 0,3 mm
UNI EN 12825 deviation in bowing, class 1	0,3 mm	0,3 mm	0,3 mm
UNI EN 12825 deviation in twisting, class 1	0,5 mm	0,5 mm	0,5 mm

standard	panels mm 600x600x29			
	chipboard core		inert core	
	C4TTL	C4TTM	P4TTM	P4TTH
UNI EN 12825 deviation in lenght, class 1	+/- 0,2 mm	+/- 0,2 mm	+/- 0,2 mm	+/- 0,2 mm
UNI EN 12825 deviation in tickness, class 1	+/- 0,3 mm	+/- 0,3 mm	+/- 0,3 mm	+/- 0,3 mm
UNI EN 12825 deviation in squareness, class 1	+/- 0,3 mm	+/- 0,3 mm	+/- 0,3 mm	+/- 0,3 mm
UNI EN 12825 deviation in bowing, class 1	0,3 mm	0,3 mm	0,3 mm	0,3 mm
UNI EN 12825 deviation in twisting, class 1	0,5 mm	0,5 mm	0,5 mm	0,5 mm



With regard to electrical hazards, the J.V.P. laminated product and system fully comply with the equipotential earth bonding standards, as well as with the human safety antistatic requirements: from 10^{10} to 10^8 Ohm (auxiliary of computerized components at 24V) and conductivity performance from 10^7 to 10^5 Ohm (auxiliary of computerized components at 220V).



CERT. IT08/0390



CERT. IT02/0113



JVP is partner of GBCI



The mark of responsible forestry

The JVP **quality** and **sustainability** policy

It is the total commitment of JVP, in the most practical manner, to contribute to the improvement of the environmental balance of our planet Earth.

This serious endeavour and acting consistently, JVP has recognized and chosen as a guideline for this commitment, the philosophy promoted from the environmental energy certification **LEED®**.

Nevertheless, the information given in this document also satisfies the many other parameters linked to different eco-sustainability Standards. It is important to underline that **LEED®** is not and would not be to any extent a product certification.

LEED® is in fact exclusively a system of classification which is verified from figures and third party authorities, which evaluate the aspects of environment sustainability, both social and economic, of buildings, from planning to the daily use.

The access floor system as an integral part of the whole building, could contribute to the acquisition of credits for the **LEED®** system.

In detail, our **JVP 4X4** fully accessible raised floor system could be considered positively in contributing to getting the following **LEED®** credits.



Credit **MRc2** **Waste Management for the Building**

Scope: Reintroduce the recycled resources newly recovered into the production process and send all the reusable materials to the recycling collection sites.

The JVP 4X4 raised floor system contributes to this credit for the following reasons:

1. The cardboard boxes used by JVP to protect the product in transit are made with recycled paper, and are completely 100% reusable and or recycled after use.
2. The wooden pallets used by JVP are produced from natural wood coming from renewable managed plantations and are completely 100% reusable and or recycled after use.

Credit **MRc3** **Reuse of Materials**

Scope: Reuse the materials and the construction products so as to reduce the demand on virgin materials, and the production of wastage, limiting in this way the environmental impact linked to the extraction and processing of primary resources.

The JVP 4X4 raised floor system contributes to this credit for the following reasons:

1. The components of the JVP system, having an expected average life span in excess of 50 years, can be reused without the need of reconditioning other than simple cleaning, or recycled after use.

Credit **MRc4** **Contents of recycled material**

Scope: Increase the demand of building materials which contain recycled material, reducing in this way the environmental impact from the extraction and use of virgin materials.

The JVP 4X4 raised floor system contributes to this credit for the following reasons:

1. The steel components of the JVP system are produced with post-consumer recycled steel in quantities variable from 10 to the 20% in weight (and are 100% recyclable after use).
2. The timber components of the JVP system are produced using 100% post-consumer recycled chipboard (and are 100% recyclable after use).
3. The Knauf gypsum fibre components of the JVP system are produced using: for the gypsum the 40% of natural sourced and the 60% of post-consumer recycled plaster, and for the cellulose the 100% of post-consumer recycled paper fibre (and are 100% recyclable after use).



Credit **MRc5**
**Materials extracted,
 worked and produced
 within regional limits**

Scope: *Increment the demand of building materials and products which are extracted and worked in regional limits, sustaining in this way local resources and reducing the environment impact coming from transportation of the product.*

The JVP 4X4 raised floor system contributes to this credit for the following reasons:

1. The steel and timber components of the JVP system come from suppliers which are located within 400 km from the manufacturing plant.

Credit **MRc7**
**Timber
 Certification**

Scope: *Encouraging environmentally responsible management of forests.*

The JVP 4X4 raised floor system contributes to this credit for the following reasons:

1. JVP is part of the chain of custody FSC® verified by the certificate FSC® CO2371.



Other useful information, providing further evidence of our endeavour to support sustainable resourcing, for which JVP is very proud, are indicated below, and this information will also contribute highly to our Green Credentials.

JVP is certified and systematically updated within the Environment Quality System

ISO 14001

JVP is certified and systematically updated with the Quality Assurance System

ISO 9001

JVP collects all the production **residuals** such as dusts and **waste** material that will be recycled at

100 %

JVP **produces** one panel every

3,2

JVP is uses **electrical energy** for each panel produced equal to

0,27 kW

JVP generates total **wastage** for all production of

0,029 %

JVP is uses **gas energy** for each panel produced equal to

0,023 m³

JVP is uses **water** for each panel produced equal to

0,00039 m³



Evolution on access floor panels

From component to system

*A product completed by accessories and installation
can be properly called "system"*

In the majority of commercial
environments the under
structure may vary from 50 mm
void to 1,500 mm void, which is
adjustable on site with a range
of 20 mm to 100 mm.





Micro

For exceptional environments, J.V.P. has designed special sub-structure with top adjustment screw feet called "Micro" to accommodate very low voids from 40 mm to 100 mm.

We have also developed a screw down panel system useful in our opinion in high traffic areas.



Screw Down



Accessories

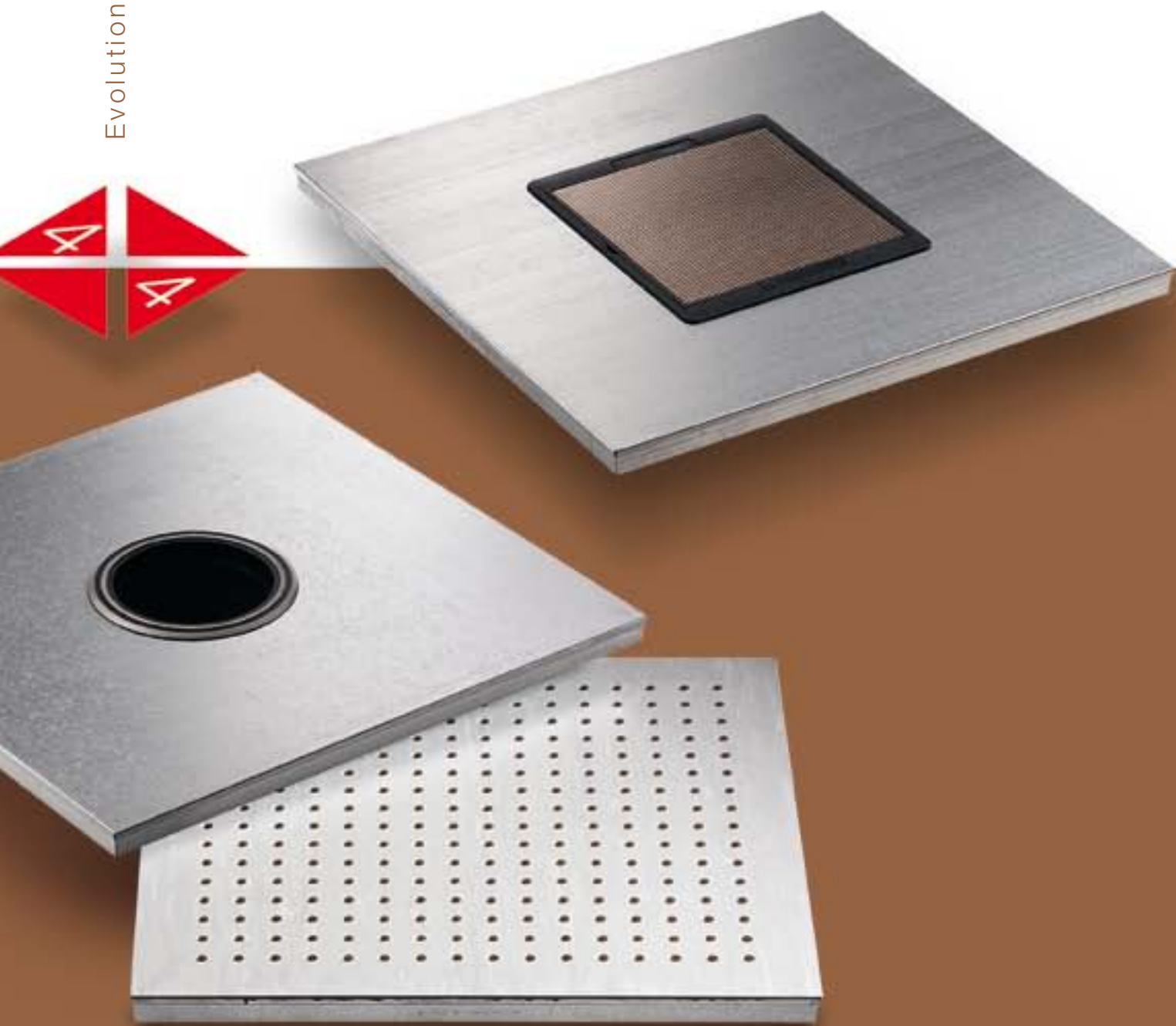
Evolution on access floor panels

From laminated panels with bonded vinyl, carpet, ceramic or stone to a product supplied with an internal water circuit providing a heated access floor.

From a slot section, in the side of the panel finished with nylon brushes for cable access to an electrical box integrated in the panel.

From air diffuser panels to perforated panels with air leakage gaskets which allow the void to be used as an air plenum.

From your demand on our experience, to your request for a specific or worldwide application we endeavor to supply the best system solution.







raised

C057L



JVP

Raised access floor
Pavimento **sopraelevato** accessibile

*All technical data contained in this brochure are indicative only,
we reserve the right to change specs without notice.*

access



floor



JVP

Raised access floor

Pavimento **sopraelevato** accessibile



JVP

Raised access floor
Pavimento **sopraelevato** accessibile

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