



## WHAT CONTEMPORARY ARCHITECTURE NEEDS



The architecture of modern buildings does not work to the advantage of acoustic comfort. Glass, concrete, hard floors. They're all materials that reflect sound. To neutralise negative reverberation, it is necessary to provide the right amount of sound-absorbing surfaces.



Contemporary technology makes it possible to arrange open spaces, but as the volume of open spaces increases, so does the nagging lack of space to talk, meet, or just get away from the hustle and bustle for a while. The answer to this problem is modern acoustic solutions, which will work well not only in office environments, but in all public facilities: event halls, hotels, municipal offices, schools, or airports.

## HUMAN NEEDS - TOGETHER AND SEPARATELY



Appropriate arrangement of space by providing employees with room for phone calls or meetings improves the comfort of work in both open-space type and smaller office environments. VANK pods have been designed as spaces for conversations and low-key meetings, and to act as 'oases of peace' in open-space office environments. As a means to maintain the balance between personal space and teamwork.

## THE MULTIFUNCTIONALITY OF MINI-ARCHITECTURE



The changes and trends taking shape over the past few years have fuelled the development of a number of features and functions of acoustic pods. These include:

- phone booth
- room for video conferencing and online training sessions
- room for heads-down work (deep work) or for hybrid workers (hot desking)
- room for confidential business meetings or HR interviews
- room for briefing and creative brainstorming sessions
- space for ad-hoc organisational meetings
- studio for recording podcasts, tutorials, and webinars
- space to relax surrounded by greenery and sounds of nature
- visual communication facility

## ECO-MOBILITY AND ADAPTABILITY



CLIENT: workingwell GmbH, Munich

Acoustic pods can make mobile rooms. The fact that they can be reassembled reduces the amount of waste generated in the construction industry. VANK pods can be reused when the office is rearranged or the company moves to a new location.



WATCH THE VIDEO



Thanks to castor set which make moving furniture easier, the swift pods can be easily turned or moved within a single room. This makes it possible to rearrange the space without any assembly or finishing work. The freedom of setting up a 'mobile' room fosters adapting it to the current needs of the organisation by sectioning off focus zones and individual/team work areas.



VANK\_BIO PANEL has received numerous awards for its ecoevolution and replacement of petroleum-based polyurethane foam with eco-friendly materials.









## THE BIOLOGICAL CYCLE OF CIRCULAR ECONOMY



The first material used in the manufacturing of VANK acoustic panels is a biocomposite based on fast-growing fibrous plants, i.e. flax and hemp. These plants absorb CO2 from the atmosphere during the rapid growth phase of their annual cycle and convert it into biomass through photosynthesis. The plants used to produce bio-fibres do not require fertilisation or much nurturing - and consume little water. Also, they don't compete with food production because the panels are made from fibre waste material, which can further be composted and make it to a CO2neutral biological cycle.

WATCH THE VIDEO

**BIO-PANELS** 

VANK creates its

three-dimensional

panels in the process

of 3D moulding, which

further increases acoustic diffusion

## **BIO PANEL LIFE CYCLE**



#### NATURAL FIBRES

fibres of fast-growing oilseed crops such as flax and hemp

#### **BIO-COMPOSITE**

the incorporation of natural-origin (including corn-based) polymers in the manufacturing process results in a ready-to-form material



#### BIODEGRADATION

after use, VANK\_BIO panels can be disposed of in the composting process



## THE TECHNICAL CYCLE OF CIRCULAR ECONOMY



The second material featured in VANK acoustic panels is rPET non-woven fabric. This material, which is the result of the recycling of plastics – such as PET bottles, is reused to produce non-woven acoustic material, which is then moulded and formed into 3D VANK acoustic panels.

## rPET PANEL LIFE CYCLE



post-consumer recycled materials are sourced from bottles and floor coverings polyester fibres are obtained in the shredding process

VANK's technology produces 3D shapes that guarantee reduced reverberation and room noise



VANK\_rPET panels can be recycled again after their useful life

### **ACOUSTIC PARAMETERS**

# 

α<sub>w</sub>= 0.90

The wall panels of VANK pods boast a high level of sound absorption. According to ISO 354:2005, their **sound absorption coefficient** is alpha = 0.90 dB, which ranks them in **class A** of sound absorbing materials.

In addition, VANK panels can also act as diffusers thanks to their 3D shape. They provide an additional wall surface to break up sound – something not many acoustic pods can offer. Using acoustic diffusers helps avoid the echo effect. VANK\_BOX INSULATION



R<sub>w</sub>= 45 dB.

The special layered structure of the walls – boasting high acoustic performance – helps **reduce reverberation** both inside and outside the pod.

Tests carried out in accordance with ISO 10140-2:2011 showed high sound insulation of the pod at Rw= 45 dB.



A chart illustrating VANK\_PANEL\_rPET and VANK\_PANEL\_BIO sound absorption properties in a reverberation chamber according to PN-EN ISO 354:2005 A chart illustrating VANK\_WALL's soundproofing properties according to PN- EN ISO 10140-2:2011



#### SPEECH LEVEL REDUCTION VANK\_BOX



## D <sub>s.a</sub> = 30.7 dB

The robustness of the materials, the quality of the connections, and the precision of the assembly guarantee a significant **reduction in the level of speech** and the **suppression of sounds** coming from inside the pod, which means that all conversations remain confidential.

Tests carried out in accordance with ISO 23351-1 showed that speech level reduction (DS,A) is 30.7 dB, ranking VANK acoustic pods in **class A** for products of this type.



MEASUREMENT RESULTS

A chart illustrating the sound power level reduction in a VANK\_POD\* pod according to ISO 23351-1:2020

\*Test results for a 1-person VANK\_BOX\_FLAT pod with an upholstered back wall.



## **DIVERSITY OF FORM – VANK\_BOX / DIAMOND**





## DIVERSITY OF FORM - VANK\_BOX / WAVE





the pods are available in the following size options: for 1, 2, 3, 4, and 6

VANK\_B

 $^{\circ}$ 











with acoustic **panels inside and outside**, with a glass or upholstered back wall



multi-user closed pods and open pods for 2 and 4 optionally furnished with a set of seats and a table



## DIVERSITY OF FORM - VANK\_BOX / FLAT





## DIVERSITY OF FORM – VANK\_BOX / ELLIPSE\_GLOBE





## **DIVERSITY OF FORM – VANK\_BOX / ELLIPSE\_LENS**





CLIENT: workingwell GmbH, Munich - customized option RE:MIND box

## DIVERSITY OF FORM - VANK\_BOX / ELLIPSE\_COLUMN



## **INCENTIVE OPTIONS**







#### MOOD

When there's need for privacy, focus or a special mood to accompany multi-user sessions, VANK\_BOX\_MOOD offers the single-colour translucent Daybreak2 curtains from the renowned brand Kvadrat, designed by Patricia Urquiola.

#### JUNGLE

The external wall of the pod on the left side can be optionally equipped with a system of modules for indoor plant cultivation. This 'biophilic design' solution has a positive impact on air quality and acoustic comfort. Surrounding oneself with greenery reduces stress levels, regulates blood pressure, improves mood and concentration, and has a natural antidepressant effect.



#### **GRAPHIC LED**

External walls of pods for 1, 4, and 6 with LED backlit graphics from the Funky (geometric pattern) or Friday (mural art) collections. On request, the illuminated pod can feature any photo or graphics provided.



#### CREATIVE

The magnetic whiteboard can be used for writing and creating moodboards. A perfect tool for a brainstorming session inside the pod or nearby, turning the pod and its surroundings into an informal meeting space.





#### **EL-TV-FRAME**

A corner mount for a display unit/TV screen size up to 23.9", allowing the screen to be fixed to the back wall, the right-hand wall, or in the corner, with adjustable height and tilt of the screen. Available in pods for 3, 4, and 6 people – without seats and table.

#### EL-TV

A ceiling mount for a display unit/TV screen up to 40", fitted to the back wall of the pod, with tilt and rotation capabilities, available with pods for 4 and 6.





#### T-HA

With laptop work and video conferencing in mind, our pods for 1 now feature a new table with a lightweight top with a pneumatic height adjustment mechanism (66-112 cm).

#### TS-1

The pod offers new equipment variant to use when working inside: a table top on an upholstered shelf fitted into the pod wall – with a connection panel in the shelf.





LED lighting, ventilation.

Upholstered pod roof.



EL-PHONE - in order to make video conferencing more convenient, we have incorporated a black metal phone holder that can be ordered as an option for 1-person pods. You can also order holders for pods already in use. The installation is very simple as it involves sliding the holder between panels.



Special structure pod body



In 1-person pods, mediaports are located in the shelf.



A 4-button touch pad with stepless lighting adjustment, stepwise ventilation adjustment. Optionally, a 6-button touch pad PA-6 with stepless lighting adjustment, stepwise ventilation adjustment, and an occupancy sensor.



Connection panels fitted in the floor or the seat (2,3,4,6 pods). If the pod features seats, the connection panel is fitted in the front side of the seat.



The power outlet with the main switch of the pod is located outside, at the bottom of the right wall. As an option, the power supply exits from the top of the roof.



In the mobile option, the pod's base features a levelling castor set with an integrated locking foot. The castors let the pod move freely across the floor.



#### ADJUSTABLE LED LIGHTING

Neutral light colour – 4,000 K. Illuminance compliant with the standard for office work. Adjustable lighting intensity in pods for 2 and more.

#### QUIET AND EFFICIENT VENTILATION

Mechanical supply and exhaust ventilation, providing air exchange during use. Adjustable ventilation with the possibility of ventilating the space before and after meetings in pods for 2 and more.

#### WIRELESS INTERNAL SOUND SYSTEM

An optional mono/stereo sound system to play audio/ music from mobile devices via Bluetooth.



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## SAFETY GLASS AND FIRE-RETARDANT MATERIALS

All glass elements are made of double-glazed, laminated, and tempered glass, which makes them safe to install and use. The acoustic panels and fabrics have been tested for flame retardancy according to EN 1021-1, EN 1021-2 (cigarette and match).

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#### POWER SUPPLY, POWER SOCKETS, AND USB CHARGERS

A 1x230V+USB (charger) connection panel mounted in the tabletop in pods for 1. IN pods for 2 and more, a 2x230V+2xUSB connection panel is fitted near the floor or in the fixed seats.

## VANK\_BOX\_EASY



VANK\_BOX\_EASY is a large pod adapted to the needs of wheelchair users, designed as a personal workstation.

It comfortably accommodates up to 4 or up to 6 employees as standard. The pod of this size can be used as an **individual room to work or meet with wheelchair users**.



#### The VANK\_BOX\_EASY pod features:

- expanded door, adapted to relevant standards/compliant with legal requirements,
- 2) a horizontal, longer door handle,
- a magnetic stopper that lets the door stop in the half-open position,
   allowing the wheelchair user to enter and exit the pod independently and the door to be closed and opened from inside the pod as well,
- $\left(4
  ight)\,$  a door bumper to prevent the handle from hitting the glass,
- $\bigcirc$  a ramp made of plywood flooring with a non-slip surface in a dark colour,
- (6) mediaport under 40cm,

7

) FLAT rPET panels up to a height of 40 cm.

Examples of furnishings and equipment in a 4-person and 6-person pod for a wheelchair user:









SEE THE CATALOG "INCLUSIVE WORKPLACE"

## MODELS AND SIZES

#### PODS FOR 1 PERSON



VW 122070

dimension	overall	inside
height	238 (223 H2)	218 (203 H2)
depth	94	80
width	134	107-113

#### PODS FOR 2 PERSONS



VW 222070

dimension	overall	inside
height	238 (223 H2)	218 (203 H2)
depth	94	80
width*	214	187-193

#### PODS FOR 3 PERSONS



#### VW 322070

dimension	overall	inside
height	238 (223 H2)	218 (203 H2)
depth	134	120
width*	214	187-193

#### PODS FOR 4 PERSONS



#### VW 422070

dimension	overall	inside
height	238 (223 H2)	218 (203 H2)
depth	174	160
width	214	187-193



#### VW 122080

VW 222080

dimension

height

depth

width

VW 355080

dimension

height depth

width\*

VW 422080

dimension

height depth

width

dimension	overall	inside
height	238 (223 H2)	21 8 (203 H2)
depth	94	80
width	137-143	107-113

overall

238 (223 H2)

94

217-223

overall 238 (223 H2)

134

217-223

overall

238 (223 H2)

174

217-223

inside

21 8 (203 H2)

80

187-193

inside

218 (203 H2)

120

187-193

inside 218 (203 H2)

160

187-193



#### VW 124070

dimension	overall	inside
height	238 (223 H2)	218 (203 H2)
depth	92	80
width	134	107-113



#### VW 124080

dimension	overall	inside
height	238 (223 H2)	218 (203 H2)
depth	92	80
width	137-143	107-113



#### VW 224070

dimension	overall	inside
height	238 (223 H2)	218 (203 H2)
depth	94	80
width	214	187-193



VW 324070

dimension	overall	inside
height	238 (223 H2)	218 (203 H2)
depth	132	120
width <sup>*</sup>	214	187-193



#### VW 424070

dimension	overall	inside
height	238 (223 H2)	21 8 (203 H2)
depth	171	160
width	214	187-193



#### VW 224080

dimension	overall	inside
height	238 (223 H2)	218 (203 H2)
depth	94	80
width	217-223	187-193



#### VW 324080

dimension	overall	inside
height	238 (223 H2)	218 (203 H2)
depth	132	120
width <sup>*</sup>	217-223	187-193



#### VW 424080

dimension	overall	inside
height	238 (223 H2)	21 8 (203 H2)
depth	174	160
width	217-223	187-193

#### PODS FOR 6 PERSONS



VW 622070

dimension	overall	inside
height	238 (223 H2)	218 (203 H2)
depth	254	240
width	214	187-193

#### OPEN PODS

VW 221070

dimension

height

depth

width\*



overall

235 (220 H2)

84

214



overall

238 (223 H2)

254

217-223

inside

218

(203 H2)

240

187-193

VW 221080

VW 622080

dimension

height

depth

width

inside	dimension	overall	inside
218 (203 H2)	height	235 (220 H2)	218 (203 H2)
80	depth	84	80
187-193	width*	217-223	187-193







VW 624070

dimension	overall	inside	dimension	overall	inside
height	238 (223 H2)	218 (203 H2)	height	238 (223 H2)	218 (203 H2)
depth	252	240	depth	252	240
width	214	187-193	width *	217-223	187-193



VW 421 07 0 dimension overall inside 235 (220 H2) 21 8 (203 H2) height depth 174 160 214 187-193 width\*



#### VW 421080

dimension	overall	inside
height	235 (220 H2)	21 8 (203 H2)
depth	174	160
width*	217-223	187-193

#### PODS CAN BE FURNISHED WITH A SET OF SEATS AND A TABLE:



TS-1 Seat and shelf as furnishings of a 1-person pod.



TS-2 A set of 2 seats and a table as furnishings of a pod for 2.



TS-3 A set of 4 seats and a table as furnishings of a pod for 3.



TS-4 A set of 4 seats and a table as furnishings of a pod for 4.



TS-6 A set of 6 seats and a table as furnishings of a pod for 6.

## ACOUSTIC PANELS - UNLIMITED CONFIGURATIONS



#### VANK\_PANEL

Acoustic panels made of rPET, BIO fibres, or additionally upholstered with fabrics are available in the form of desk partitions or wall-mounted panels, enabling the user to arrange them in original ways.

WATCH THE VIDEO





#### **DECORATIVE CONFIGURATIONS**

The 3D acoustic panels can be customized by designers to become creative wall finishes in office environments, public spaces, and residential buildings. The panels, available in 5 patterns: DIAMOND, WAVE, FLAT, ELLIPSE and COLUMN, size 80x40 cm, can become large-scale, geometric impressive decorations.

## ACOUSTIC ART



#### VANK\_PANEL\_ART

Acoustic panels can turn into custom-made 160x240 cm (or 240x160 cm) 3D acoustic works of art, which can be hung vertically or horizontally.

## EXAMPLES OF ARRANGEMENTS





#### FRAME

dimension	overall	
height	240 / 160	
depth	10	
width	160 / 240	

Background for an acoustic art panel (to be hung vertically or horizontally)



## MODELS AND SIZES

WALL PANEL



VWF 160820

VWF 160810

horizontally)

PANEL PAINTINGS FRAME background for an acoustic art panel (to be hung vertically or

> overall 240/160

> > 2

160/240



VW 008040

dimension	overall	dimension
height	40	height
depth*	4-7	depth
width	80	width

#### DESK SCREEN

VW 008070





VW 008080





40

9-15

120

VW 012080

dimension

height

depth\*

width

dimension	overall	dimension	overall
height	40	height	40
depth*	6-9	depth*	9-15
width	80	width	80

VW 01207	0	
dimension	overall	
height	40	
depth*	6-9	
width	120	

Č.	
overall	





VW 016070

VW 016080

dimension	overall	dimension	overall	
height	40	height	40	
depth*	6-9	depth*	9-15	
width	160	width	160	

#### VANK\_SCREEN WALL PATTERNS:



 $^{\ast}$  The depth of the panels varies depending on the panel patterns selected

## MOBILE WALLS - AGILITY AND CREATIVE SPACE



#### VANK\_SCREEN

Acoustic screens in free-standing or mobile form. They come with rPET panels, BIO panels, or panels upholstered in selected fabrics. The screens are also available with a magnetic whiteboard to write on.



VANK acoustic screens with diamond-patterned panels were awarded in the international IF Design Award competition in 2016.



#### VANK\_SCREEN\_HOME

The hallmarks of the VANK\_SCREEN\_HOME series are neutral, smooth walls, upholstered with SONUS fabric in felt finish, which demonstrates good soundabsorbing properties. Tall partitions will also work well as information boards or as backgrounds during videoconferences. Individual walls can be connected with each other by means of long fasteners, which makes the solution mobile and modular. The triangular plywood bases can be easily disassembled, enabling convenient storage of partitions.

## MOBILE WALLS – AGILITY AND CREATIVE SPACE



## MODELS AND SIZES

SCREENS







#### VW 108070

width

dimension	overall	
height	178	
depth	60	

80

#### VW 108080

dimension	overall	
height	178	
depth	60	
width	80	

#### VW 116070

dimension	overall	
height	178	
depth	60	
width	160	

#### VW 116080

dimension	overall
height	178
depth	60
width	160





VW 508075





VW 508085

dimension	overall	dimension	overall	
height	178	height	178	
depth	60	depth	60	
width	80	width	80	

vw	51	6085

dimension	overall	
height	178	
depth	60	
width	160	

VW 516075

dimension	overall	
height	178	
depth	60	
width	160	

#### VANK\_SCREEN ACOUSTIC PANEL WALL PATTERNS:





#### VW3 22007 O

dimension	overall
height	222
depth	33
width	70



#### VW3 200070

dimension	overall	
height	202	
depth	33	
width	70	



#### VW3 18007 0

100010		
dimension	overall	
height	182	
depth	33	
width	70	



# VW3 160070

dimension	overall	
height	162	
depth	33	
width	70	

## COLOURS OF MATERIALS

#### ACOUSTIC PANELS



rPET ACOUSTIC PANELS UPHOLSTERED WITH THE FOLLOWING FABRICS / POD BODY

#### SONUS

FHR01	FHR02	FHRO3	FHR05	FHRO6	FHR09	FHUO4	FHUO8	FHU10	FHU15	FHR07	FHU14
WELL											
WE 63	WE 62	WE 42	WE 64	WE 44	WE 16	WE 14	WE 39	WE 29	WE 49	WE 02	
		WL 4C	WL 04	WL 44	WL IU	VVL 14	WE33	WLES	WL 43	4	
BLAZER LITE 4											
LTH 39	LTH 41	LTH 47	LTH 50	LTH 55	LTH 56	LTH 63	LTH 67				
LDS20	LDS05	LDS07	LDS08	LDS16	LDS17	LDS18	LDS19	LDS21	LDS22	LDS23	LDS24
LDS25	LDS26	LDS27	LDS28	LDS29	LDS31	LDS32	LDS33	LDS34	LDS35	LDS36	LDS37
LDS38	LDS39	LDS40	LDS41	LDS42	LDS44	LDS45	LDS46	LDS47	LDS48	LDS49	LDS50
LDS51	LDS52	LDS53	LDS54	LDS55	LDS56	LDS57	LDS58	LDS59	LDS60	LDS61	LDS62
LDS63	LDS64	LDS65	LDS66	LDS67	LDS68	LDS69	LDS70	LDS71	LDS72	LDS73	LDS74
				. • . •							
LDS75	LDS76	LDS77	LDS78	LDS79	LDS80	LDS81	LDS82	LDS83	LDS84	LDS85	LDS86

LDS87 LDS88

#### FLOORING



#### TABLE TOP



#### TABLE BASE



#### SCREEN FEET: METAL



#### **CURTAINS DAYBREAK2**



#### FABRIC COLOURS MATCHING THE PANEL COLOURS

rPET



rPET\_grey rPET\_graphite



FHU04 WE 02





WELL SONUS



In the case of walls and desk panels with a panel finish on one side, the other side comes in plain upholstery in colours corresponding to BIO (beige, brown) and rPET (grey, graphite) materials.

> YOU CAN CONFIGURE IN PCON



# WHAT THE VANK!

VANK IS A POLISH TEAM OF ARCHITECTS, CREATIVES, ENGINEERS, AND ARTISANS. WE CREATE FURNITURE. OBJECTS. TANGIBLE SIGNS IN SPACE. ITEMS DESIGNED INTELLIGENTLY, WITH RESPECT FOR THE NATURAL ENVIRONMENT, AND MANUFACTURED USING LATEST TECHNOLOGIES.

WE BELIEVE IN A CIRCULAR ECONOMY MODEL THAT LIMITS THE CONSUMPTION OF NATURAL RESOURCES, REDUCES THE AMOUNT OF WASTE GENERATED, AND INCREASES THE USE OF BIODEGRADABLE, RENEWABLE, AND RECYCLABLE MATERIALS. WE WANT OUR FURNITURE TO IMPROVE THE AESTHETICS OF THEIR SURROUNDINGS. TO BE PRESENT AND SEEN WHILE MAINTAINING THE RIGHT BALANCE BETWEEN FUNCTION AND VISUAL APPEAL. WE'RE ALL ABOUT HIGH QUALITY, TAKING RESPONSIBILITY FOR WHAT WE DO AND MAKE, AND MAKING OUR PRODUCTS LAST AS LONG AS POSSIBLE.



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WWW.VANK.DESIGN

