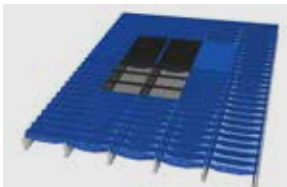




# EFFICIENCY & WELL-BEING **THROUGH INNOVATIVE DESIGN**

FLOOR AND PARTITIONING SYSTEMS FOR MODERN PIG PRODUCTION

**IKADAN**   
SYSTEM



# **Ikadan**

## – tradition for future-oriented thinking

The name Ikadan is a contraction of Ikast and Danmark. We have staunchly retained our innovation, development, customer relations, sales and high-tech plastic production at our base in Ikast in the heart of Jutland. Since 1984, we have developed and manufactured flooring and fixtures for state-of-the-art pig housing facilities in more than 40 countries.

With Ikadan, you get maximum value for money, short delivery times and close dialogue with our consultants, all of whom have a thorough knowledge of modern pig production and how best to design modern housing facilities. We think in terms of future needs and can quickly and easily adapt our production of injection-molded plastic elements to meet new requirements on floor design, pen layout, feeding system and animal welfare.

At Ikadan, we are constantly developing our modern range of flooring systems and pen fixtures, and high-tech fully automated plastic production facilities assure our global competitiveness.

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### **ULTRAFLEX - NEW TIMES - NEW DEMANDS**

#### **Modular flooring is future-proof**

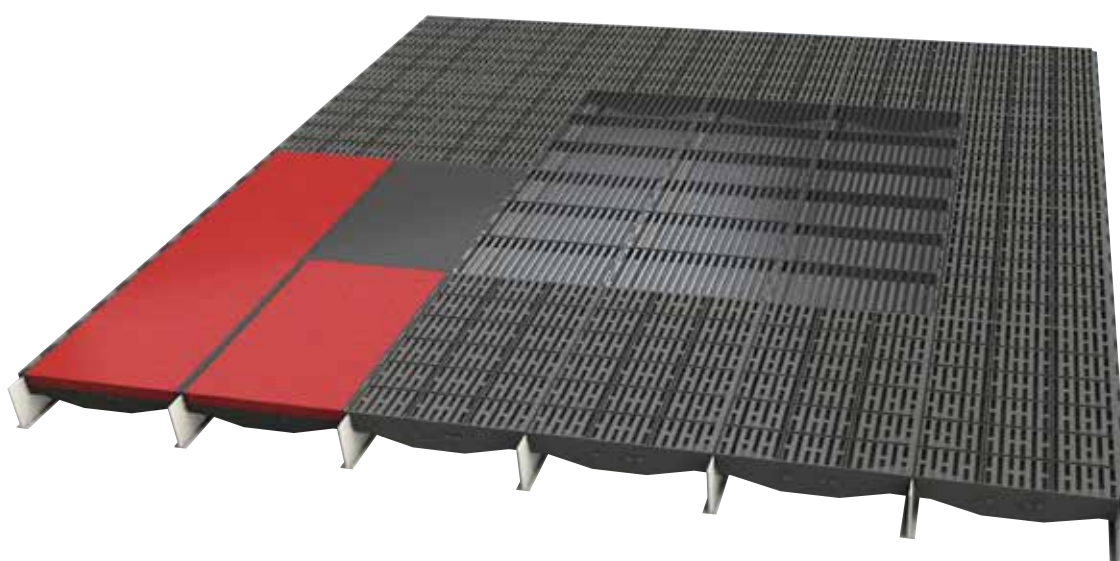
Ikadan has supplied modular flooring systems in plastic and cast iron for more than 30 years. In comparison to many other materials, plastic has proved its ability to withstand the aggressive environments of pig housing units. New demands are constantly being made on pen and floor design. That is why Ikadan decided to develop a range of special modules, allowing the required floor to be built by combining modules at will. This solution also allows the floor to be rebuilt or modified should new requirements or wishes arise regarding floor and pen design.


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# IKADAN ULTRAFLEX

## for farrowing pens for loose sows



An exceptionally flexible slatted floor system in which modules of plastic or cast iron can be combined at will.

The system can thus easily be adapted to the type of production concerned – from farrowing pen to finisher pen. Ikadan ULTRAFLEX is therefore a fully future-proof solution.

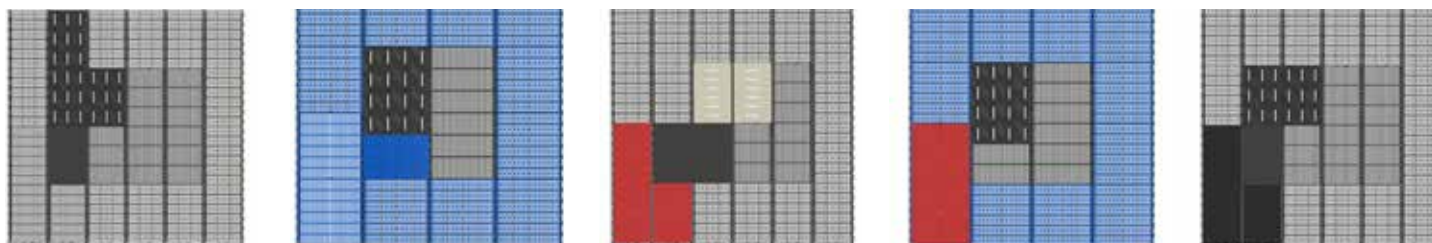
### IKADAN ULTRAFLEX FOR FARROWING PENS FOR LOOSE SOWS

Ikadan has spent more than 15 years actively developing farrowing pen floor systems for loose sows. An Ultraflex floor solution is built of plastic, cast iron and concrete, as well as our heat pads in the creep box, alternatively with a closed floor or rubber plate.

We have a number of different elements that can be adapted to any selected pen type/make.

Substantial sums of money can be saved by having a floor layout specified as early as possible during the project phase.

Ask Ikadan to send you more information, or check our Web site at [www.ikadan.com](http://www.ikadan.com) for more inspiration and useful advice.



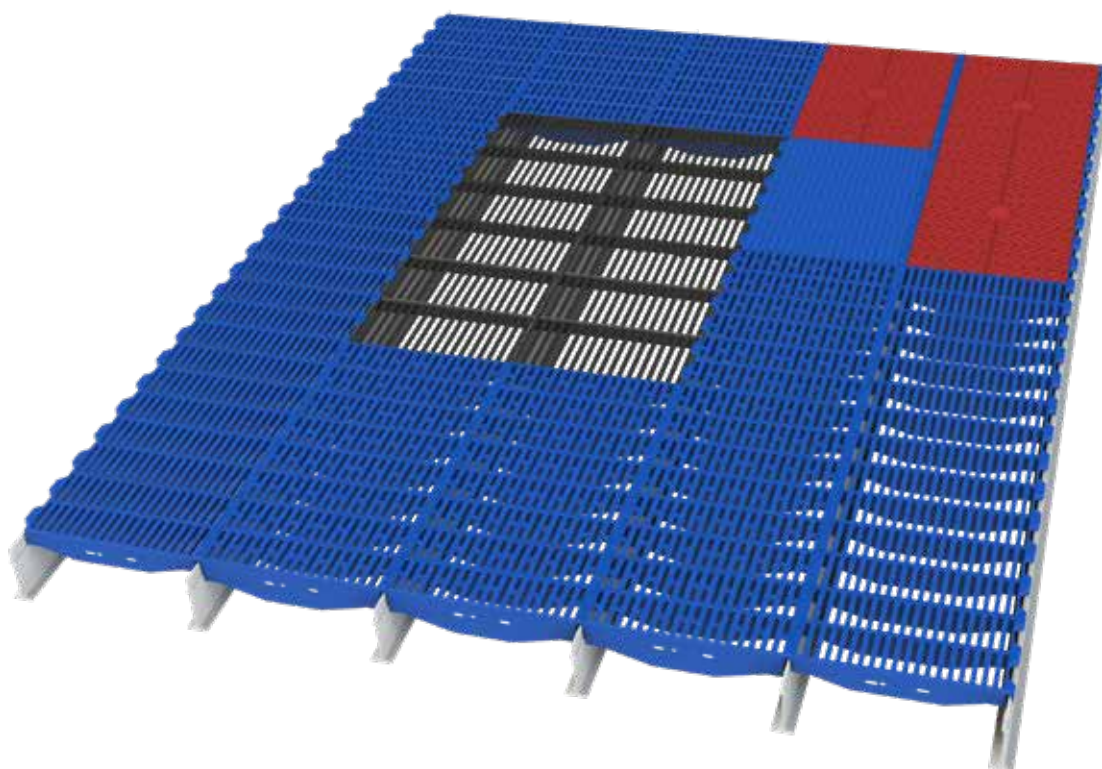






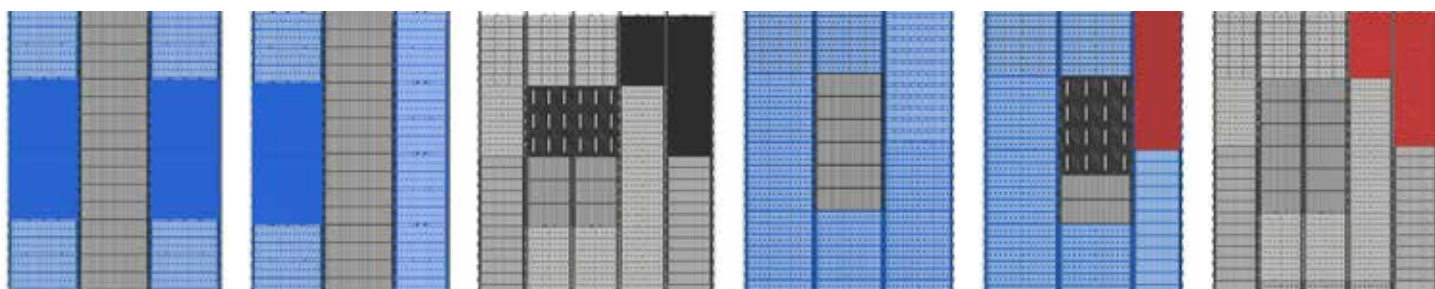
# IKADAN ULTRAFLEX

## for farrowing crates



Multiple options are available for size layouts and type of flooring (request our special brochure).

Floor built using Ikadan Ultraflex floor system - combining plastic, cast iron, concrete elements, rubber elements and Ikadan's heat pads in the zone for piglets.









# IKADAN ULTRAFLEX

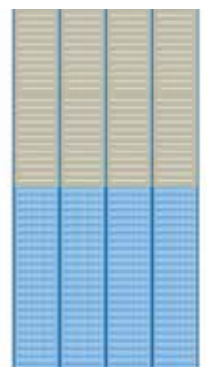
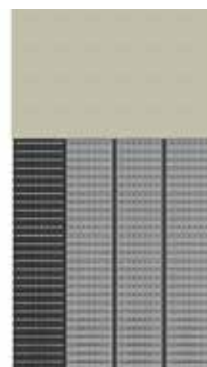
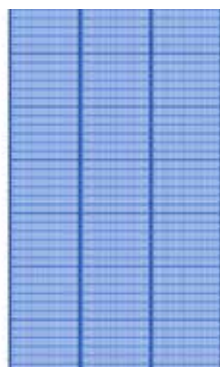
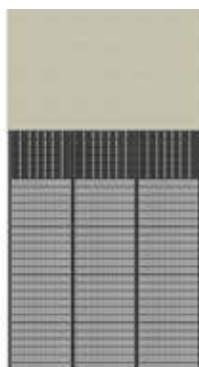
## weaner slats



### IKADAN ULTRAFLEX FOR NURSERY

We offer many possibilities for optimizing floor layouts. The latest models are our 120x60 and 60x80 cm elements, which are delivered as an open slatted floor, a 10% opening or a fully closed surface. A concrete element with a 10% opening – which can be built into the Ikadan Ultraflex insert module – is additionally available, just like cast iron elements.

Ikadan Ultraflex can be adapted for most channel widths. This makes it easy to replace corroded steel or cast iron floors with a new Ikadan Ultraflex load-bearing slat solution. A special mounting fitting makes it possible to suspend Ikadan Ultraflex slatted floors in the existing channels.











# ULTRAFLEX

## heat pad

Ikadan System has developed special heat pads modules for electric or hydronic heat sources. Heat pads are an investment that quickly pays off thanks to the greatly improved environment they provide and the resultant increase in piglet growth.

Heat pads for hydronic heating systems are made of plastic or polymer concrete, a comfortable material for the piglets to walk and lie on. Heat pads have the same size as slatted modules and can be incorporated in the flooring as required. All fittings are made of plastic and are easily installed without the use of tools.





# ACCESSOIRES



Spacer 40x45x12mm



Bracket for fiberglass supports



Fiberglass support 120mm



Fiberglass support 135mm



QuickLock



Smart-fastener



End piece



IKA beam fiberglass 85 mm



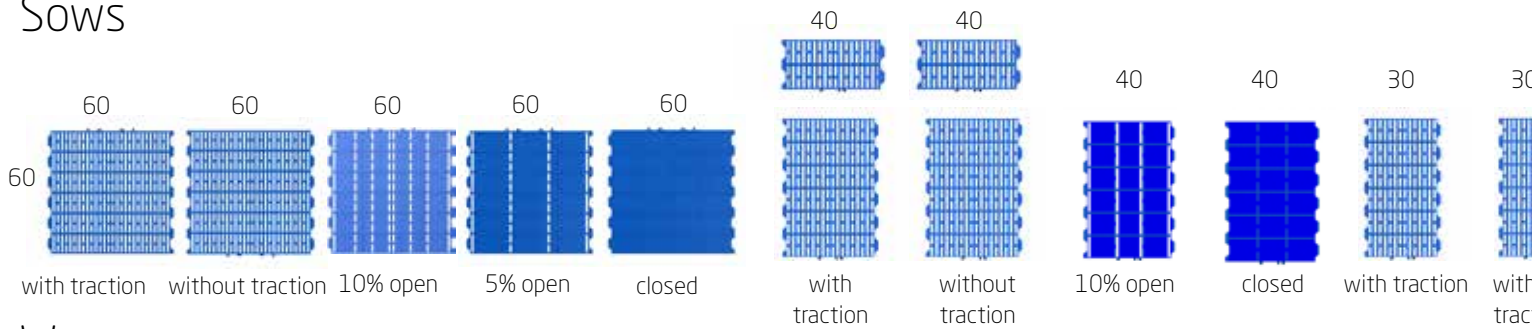
IKA beam fiberglass 120 mm

Possibility of height adjustment

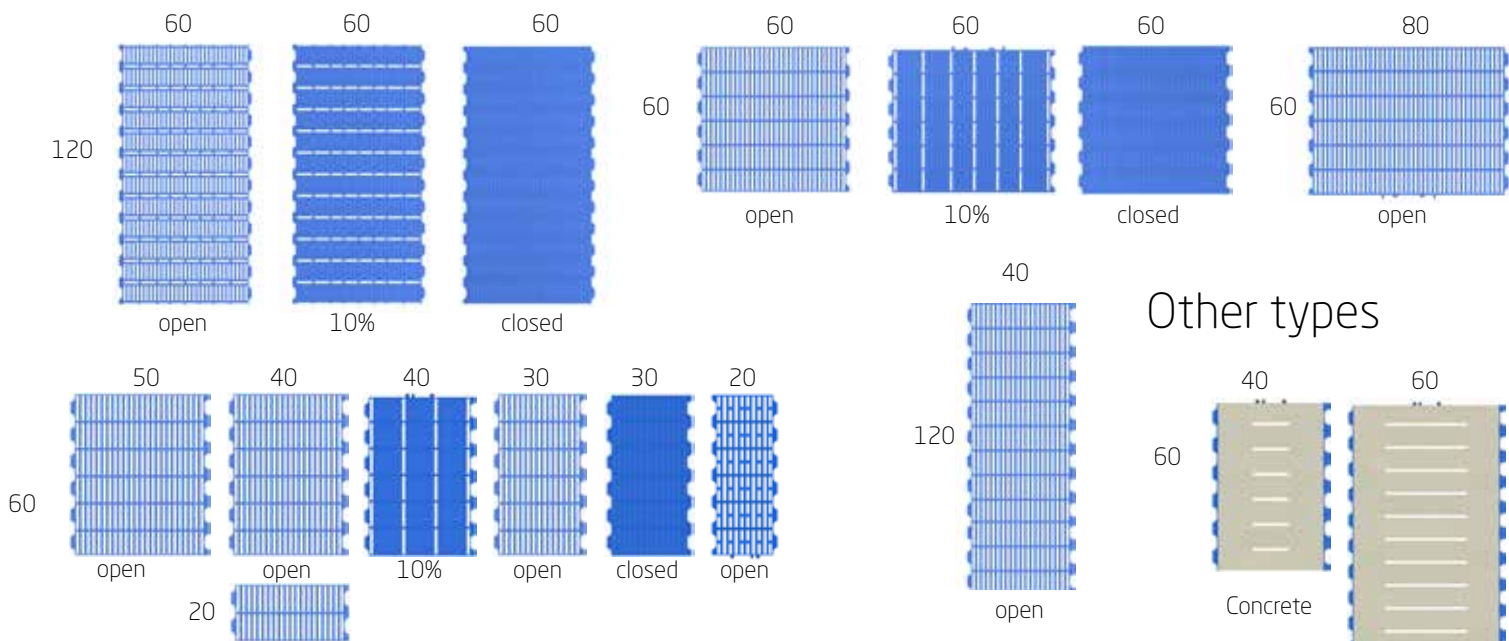
# ULTRAFLEX FLOORING

Plastic, metric

Sows



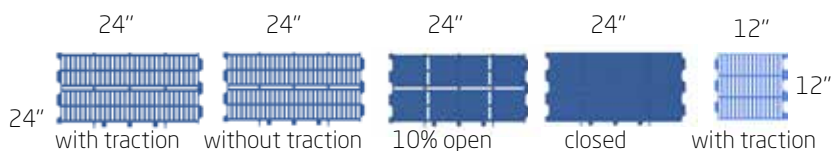
Weaners



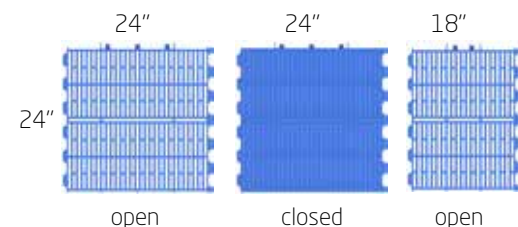
Other types

Plastic, imperial

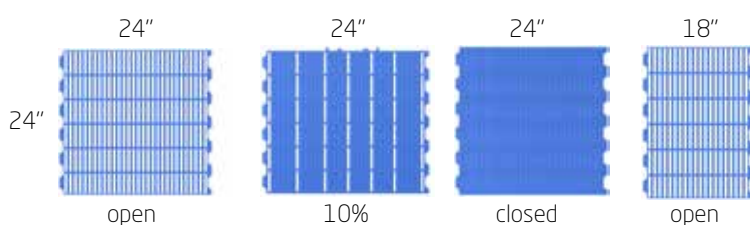
Sows



Creep area

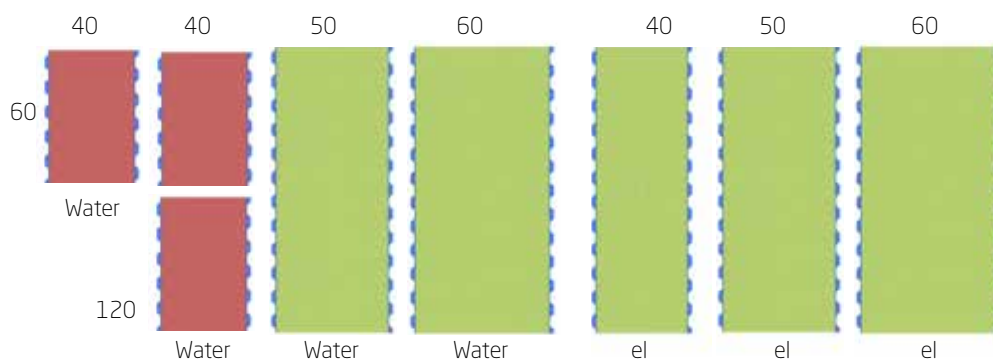


Weaners



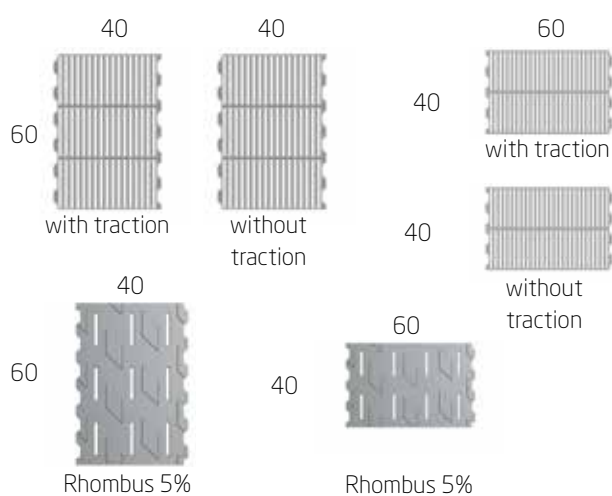


# Heat pads

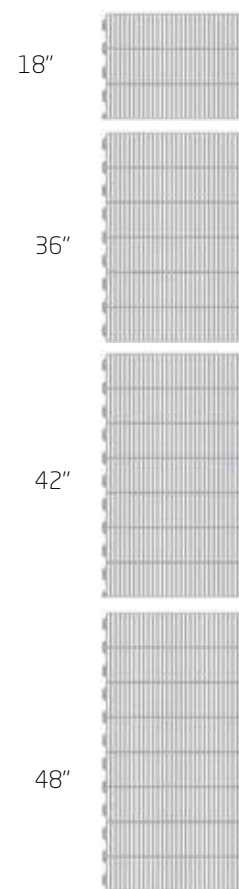


# Cast iron

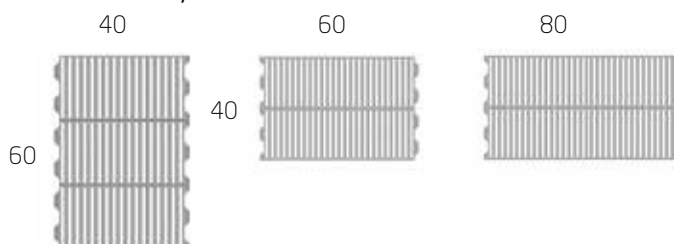
## Sows, metric



## Imperial sows



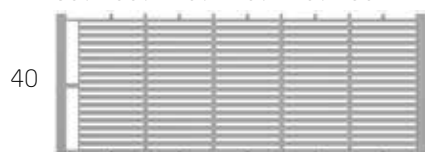
## Weaners, metric



# Self-supporting cast iron

## Sows, 10-11 mm gap opening

80/100/110/120/140/160

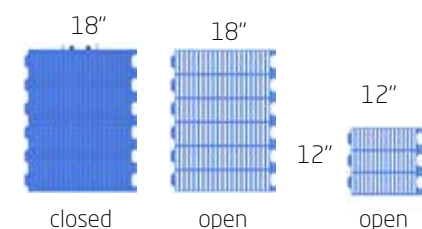
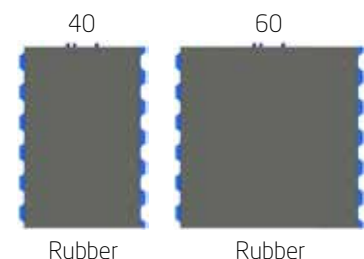
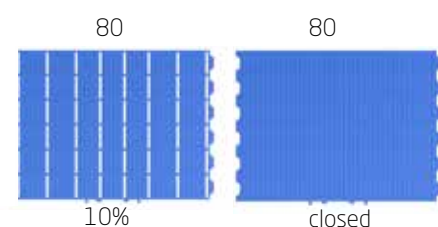
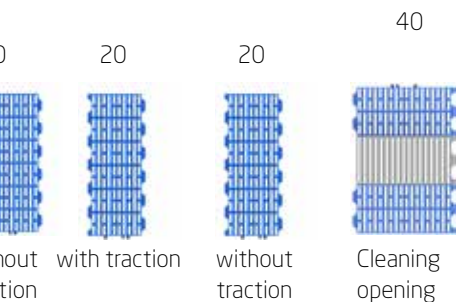
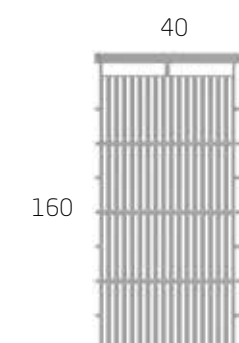


## Weaners, 12-13 mm gap opening

120/140/160/180/200



## Finishers, 30-15 mm gap opening



# MULTIFLEX CELLULAR PANELS



## A 100% RUST-FREE FIXTURES SOLUTION

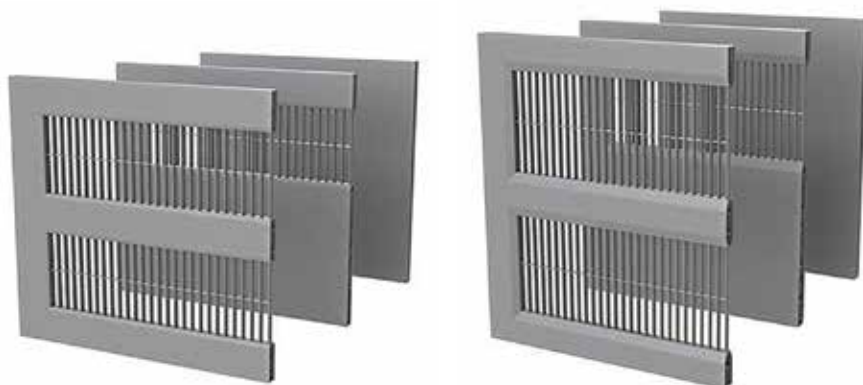
The panels consist of moulded elements with cellular reinforcements on their rear surface. The elements are then welded together, cell to cell. Surfaces are thus completely closed on both sides, and the inner sandwich construction makes the panel strong and self-supporting. There is therefore no need for posts.

Ikadan Multiflex panels are available as a closed panel or with plastic latticework at the top or both top and bottom. The very open, elliptical latticework panels ensure optimum pen ventilation.

Ikadan Multiflex panels are available in 35 mm and 50 mm thicknesses. In addition, all assembly and gate fittings for 35 mm and 50 mm panels are made of plastic. Bottom brackets are however made of stainless steel. In future, requirements on pig housing units will focus on functionality, rust-free materials and quick and easy installation. Demands on hygiene and the work environment will become stricter and stricter. Thanks to our fully automated production facilities in Ikast, Ikadan Multiflex is available at very competitive prices.

## RUST-FREE PEN SYSTEM

Plastic materials are becoming more and more popular in modern pig housing facilities. Ikadan Multiflex is therefore the natural choice offering a complete range of fixtures made almost entirely of plastic for loose sow and farrowing pens as well as for weaner and finisher pens.



Rise/fall gate in plastic – for both 35 and 50mm panels.



Stainless gates bracket to cover the entire pen width – can be opened on both sides.



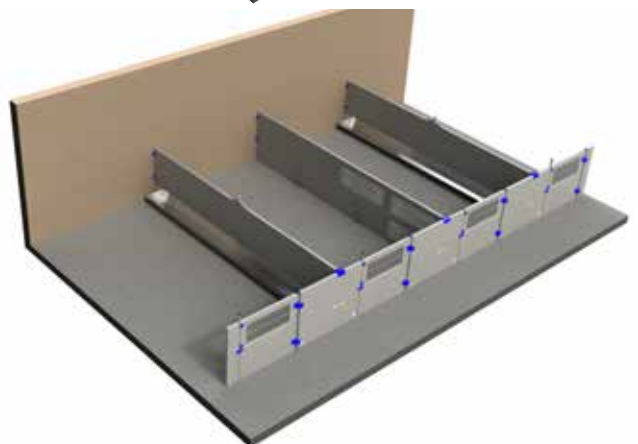
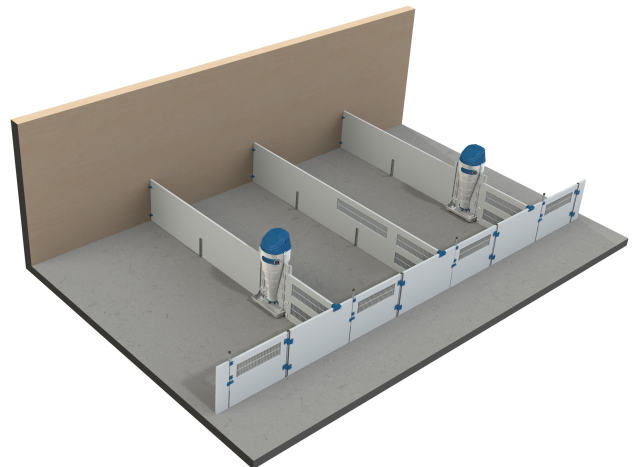




# MULTIFLEX PANELS FOR FINISHER PENS

Ikadan Multiflex 35mm and 50 mm panels are used for finisher pens. Here too, panels with fully or partially open latticework can be combined at will to meet customer requirements.

Ikadan Multiflex is therefore the natural choice, both for new facilities and for renovation projects. All fixtures are manufactured in our fully automated factory in Ikast and can therefore easily be adapted to any pen size at very competitive prices.





# WET-FEED WALL

For all pen types, no matter the make. Ikadan Multiflex wet-feed walls have 50 mm feed pipes built into the wall. Pipes are angled at 45° to allow quick and easy feed provision.

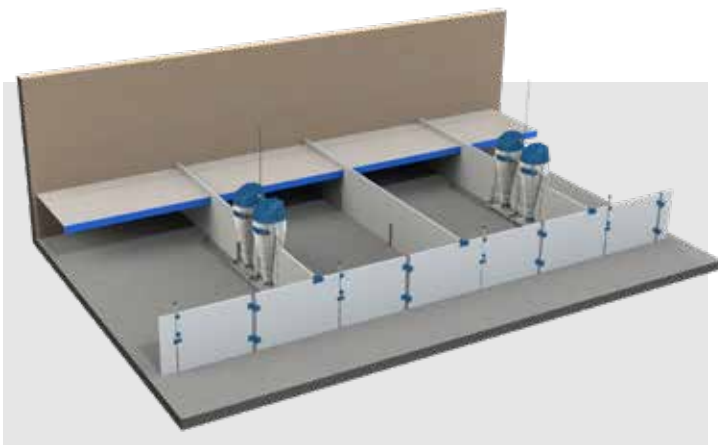
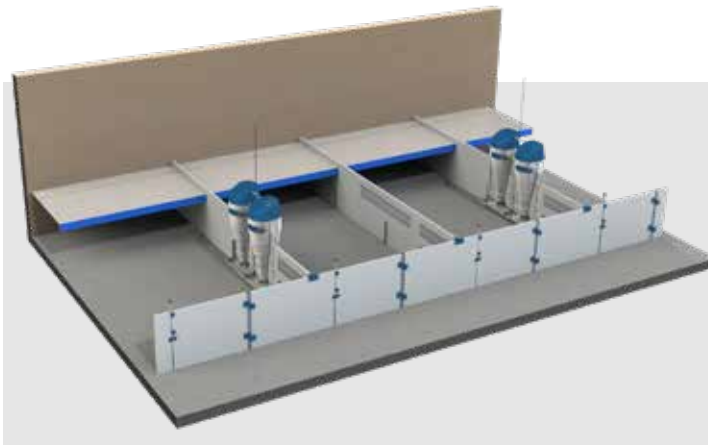
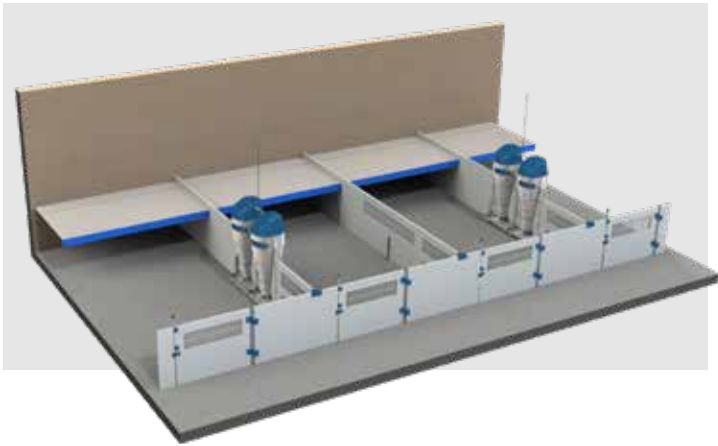
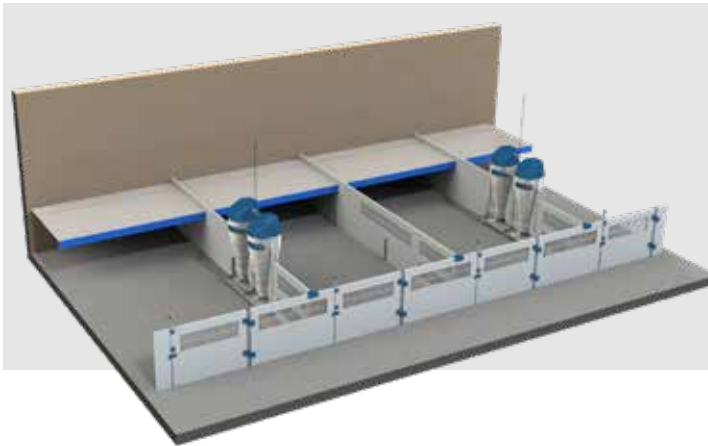
At the same time, the angle ensures an optimum distribution of feed along the entire length of the trough, thus minimizing aggressive behaviour and unrest during feeding. The Ikadan Multiflex wet-feed wall system is supplied pre-assembled and fully welded, and there are therefore no joints or uprights where bacteria can accumulate. Available with plastic or stainless steel trough.



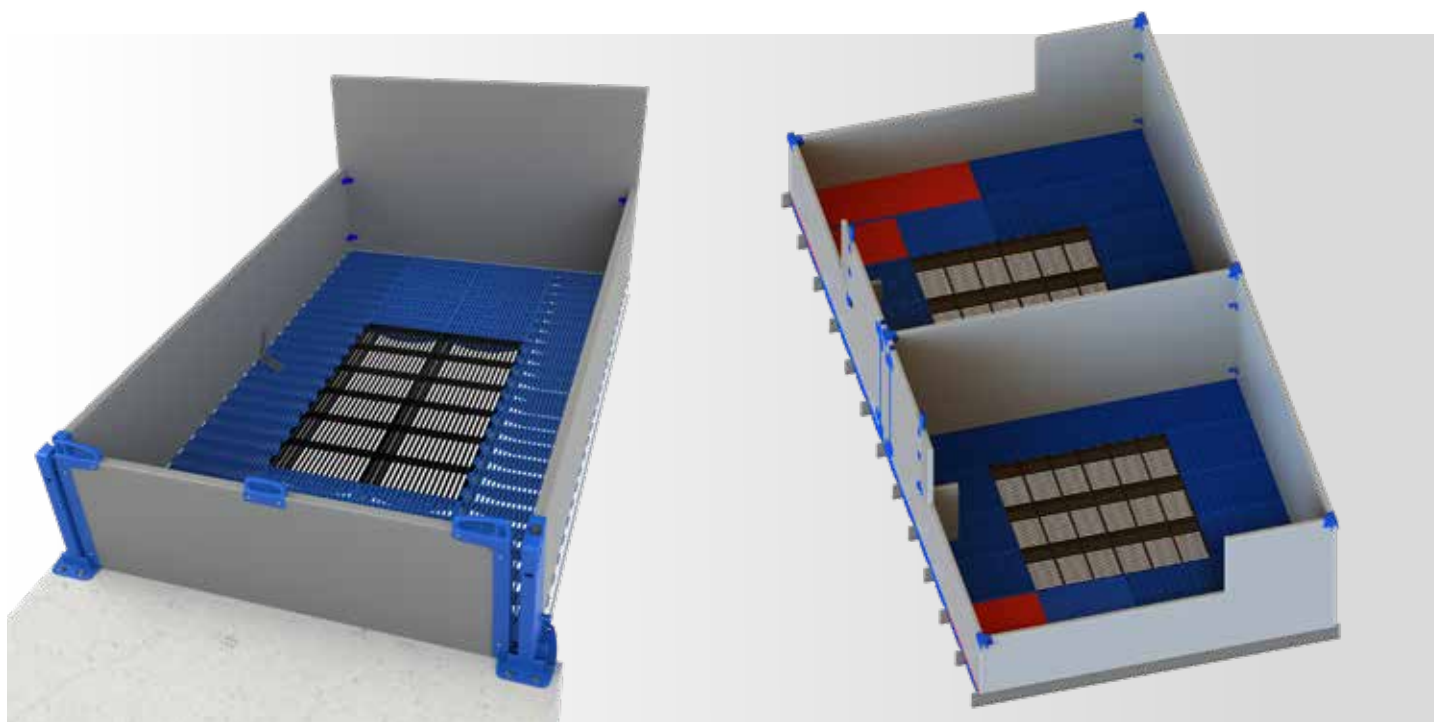


# MULTIFLEX PANELS FOR WEANER PENS

Ikadan Multiflex 35 mm panels are used for weaner pens. Panels are available with fully or partially open latticework, ensuring maximum ventilation within the pens. The panels are also used as covers, providing a light and easily cleaned cover for weaner lying areas. Gates are available as rise/fall gates or as wide gates which can be opened on both sides/double acting gates.

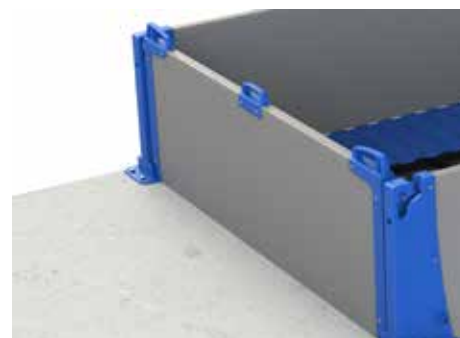
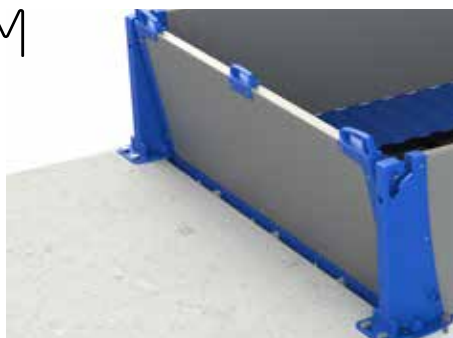


# MULTIFLEX PANELS FOR FARROWING PENS



Pen partitions are made from Ikadan's 35 mm Multiflex cellular panels and plastic posts with base plates.  
Pen partitions for farrowing pens for loose sows can be constructed in 35mm or 50mm Ikadan Multiflex cellular panels.  
Ikadan Multiflex panels are very easy to clean.

## REAR GATE SYSTEM for farrowing pens



The well-known cleaning opening in Ikadan Ultraflex floors facilitates the removal of excess manure and minimises the risk of manure accumulating along the rear gate of the pen. The pen side design allows the rear gate to be angled, thus covering the cleaning opening.

The rear gate is equipped with built-in handles at the sides and centre, allowing the extremely lightweight gate to be easily operated with one hand.





# MULTIFLEX PANELS FOR LOOSE PREGNANT SOWS



The robust 50mm Multiflex panels are good for use in gestation unit layouts. Multiflex panels are easy to install and have smooth surfaces that are very easy to clean.

## ALTERNATIVE LAYOUT FOR ORGANIC PIG HOUSING



# IKADAN UNIC-X DRY FEEDER



These are your options for configuring automatic feeders to best suit your requirements.

	WEANERS	FINISHERS:
1. Tube model, basic module	X	X
2. Additional tube height	X	X
3. Tube model for integrated construction	X	X
4. Funnel Model	X	X
5. Funnel Model for integrated construction	X	X
6. Stainless trough with water in two sides	X	X
7. Stainless trough with water in 1 side	X	
8. Polymer concrete trough with 1 water	X	
9. Wide polymer trough for double feeder, water i 2 sides	X	
10. Drip watering	X	



Stainless steel trough. Also supplied in polymer concrete. Water in 1 or 2 sides.  
Available for finishers and weaners.



CLIPS ASSEMBLY for double feeders







## IKADAN FEEDERS FOR WEANERS AND FINISHERS

Ikadan's range of automatic feeders was developed on the basis of years of experience in plastics production and pigshed mechanisation. The latest available agricultural know-how and the latest manufacturing techniques have therefore been applied. Feed principles take pigs' rooting instincts, in that pigs have to activate the feeder's rooting device before feed comes out. This also means that the trough is kept clean and free of old feed so hygiene and health are top notch. Drip watering ensures that weaners learn to drink immediately, the water flushing system ensuring that all pigs receive water that is both fresh and clean when introduced. The transparent feed funnels mean that it

is easy and manageable to see whether pigs are eating as expected in the various pens.

You can configure automatic feeders for both weaners and finishers. The advantage of doing this is that you are only paying for functionalities you actually need and not for the features you will never use. The consistent feature of our work on the development of these products has been:

Natural and easy operation for pigs, user-friendly for staff, minimal feed wastage, no problems with bridging, easy cleaning and clean, fresh water for the pigs.



# BITE RITE

## chewing material

### IKADAN BITE-RITE FOR WEANERS AND FINISHERS

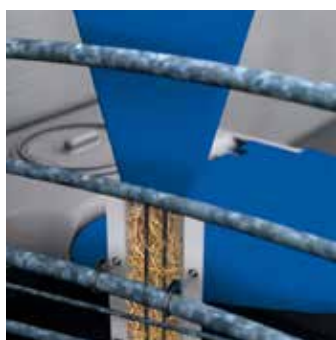
Bite Rite is a simple yet effective product for keeping weaners and finishers occupied, thus preventing and minimising undesirable behaviour such as tail, flank and ear biting.

Danish legislation concerning the EU directive on pigs' access to rooting and chewing material is now in force. It requires that rooting material shall consist of natural products which can be worked by the pigs and which touch the floor. As sisal rope is an approved and very effective material, Ikadan offers a practical rope holder for Bite Rite. Ikadan Bite Rite is also available for wood blocks. Two different versions are available: one for weaners, the other for finishers.





# FUNBAR



## IKADAN FUNBAR FOR WOOD BLOCKS

The diameter is increased according to new guidelines and Funbar is supplied as a modular unit. Funbar consists of a simple U-shaped plastic moulding designed to hold a block of wood and be mounted on the pen wall 25 cm above the floor. Besides turning the wood block round and pushing it vertically and horizontally, the pigs enjoy biting the wood. As bits of wood are gradually bitten off, the block drops down through the moulding. It is therefore no longer necessary to spend time and effort using tools to replace chewing material in the middle of a batch.

## CONSTANTLY AVAILABLE AND FRESH

With Funbar, personnel need no longer spend time providing fresh chewing material. And there is no need to worry about whether the pens contain enough material. They always do!

## FUNBAR FOR STRAW AND WOOD BLOCK - FOR FARROWING PENS

Studies have shown that sows are calmer before and after farrowing if bedding, rooting and enrichment materials are provided. Funbar dispensers for straw and wood blocks function as both rooting and enrichment material.

EU legislation stipulates that sows must have access to nesting material in the week up to farrowing and to rooting and chewing material thereafter. Funbar straw can be easily adapted for wood blocks without the use of tools.

## FUNBAR FOR INSEMINATION CONTROL UNITS

A robust Funbar for partition battens. Constructed to withstand the harsh environment in insemination control units. Manufactured of pure plastic raw materials and designed to ensure high hygiene levels and long service life. Equipped with a reinforcing rail in stainless material to provide additional strength and stability. Easily fitted in any insemination crate and other pen types in insemination control units.

# Ikadan design folder

It provides details of  
all our products and  
sketches of a variety of  
suggested layouts and  
designs.



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