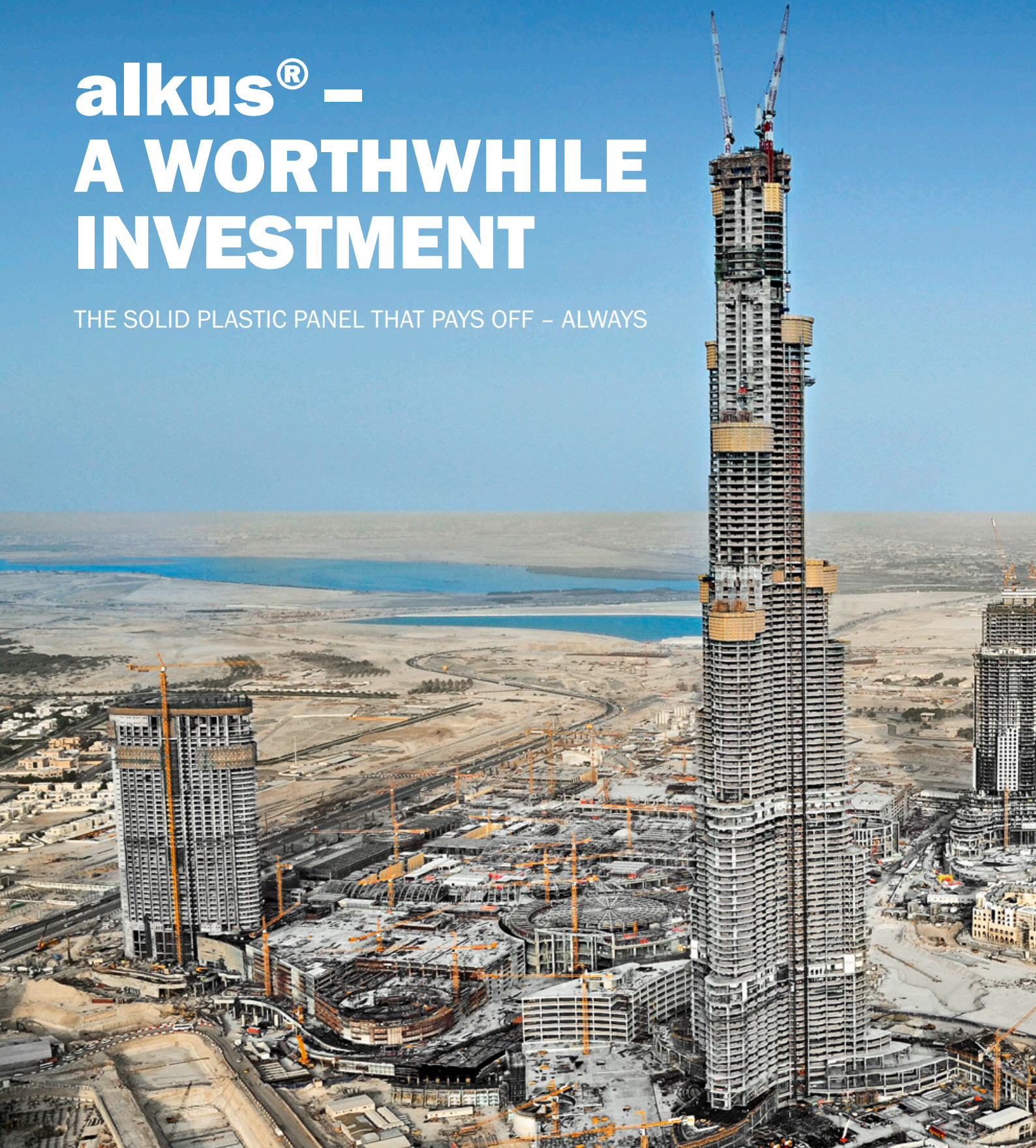


# alkus<sup>®</sup> – A WORTHWHILE INVESTMENT

THE SOLID PLASTIC PANEL THAT PAYS OFF – ALWAYS





# alkus® SOLID PLASTIC PANELS

## THE CLEVER CHOICE

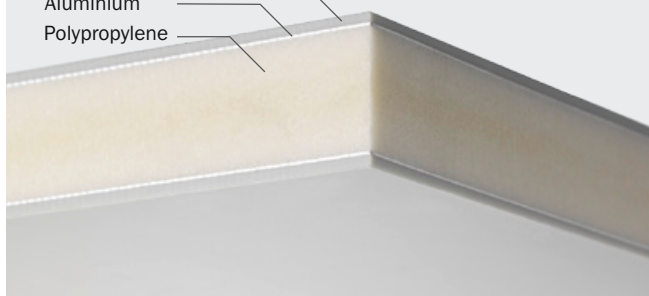
alkus® solid plastic panels are constructed of extremely durable plastic composite – and are therefore a cost-effective choice for concrete formwork. The patented sandwich panel is extremely robust and resistant to all weather conditions, thus guaranteeing outstanding concrete quality.

### alkus® solid plastic panels are available in two styles:

Knowing which one is right for your demands depend on the actual requirements of the formwork. Let us help you with our experience and knowledge.

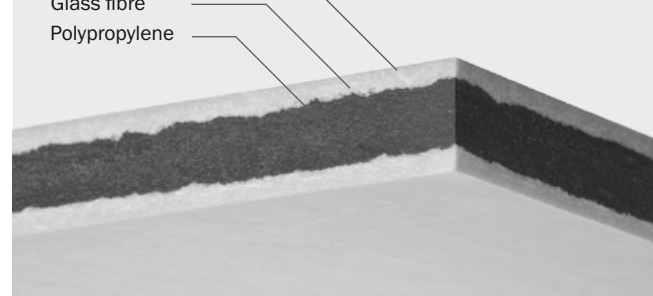
Thanks to its excellent flexural strength, **alkus® AL**, made from aluminium reinforced polypropylene, is typically used for wall formwork and special structural elements.

Polypropylene  
Aluminium  
Polypropylene

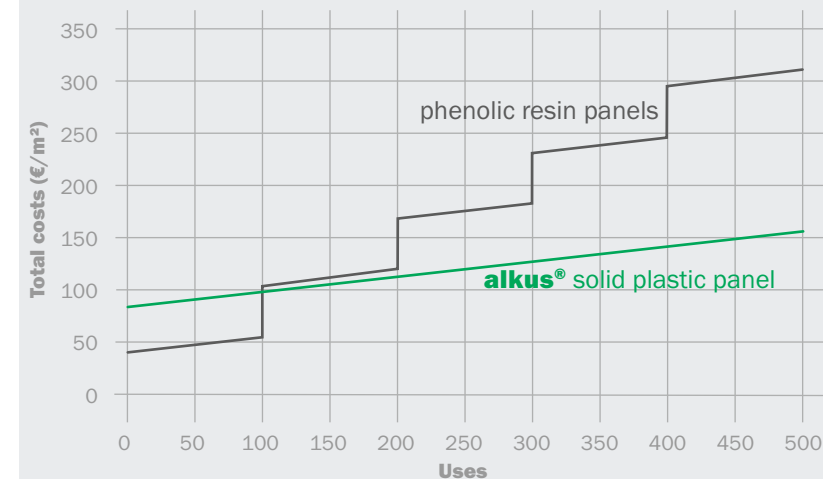


**alkus® GM**, made from fibre reinforced polypropylene, is typically used as form lining for slab formwork, circular formwork and special structural elements.

Polypropylene  
Glass fibre  
Polypropylene



### Your plus in terms of profitability:



Timber panels are less expensive to purchase but they have to be replaced more often. Material, installation and removal induce such high costs that the alkus® fully pays off after less than 100 uses. Every additional use means profit – not to mention the better concrete quality!

■ Costs alkus® solid plastic panel (incl. one-time installation and repairs)  
■ Costs for phenolic resin panels (incl. repeated installation and removal or repairs)



# BETTER THAN TIMBER

UP TO **1.000**  
USES

**Moisture penetration not only affects the longevity of timber panels – it also spoils the concrete finish.**

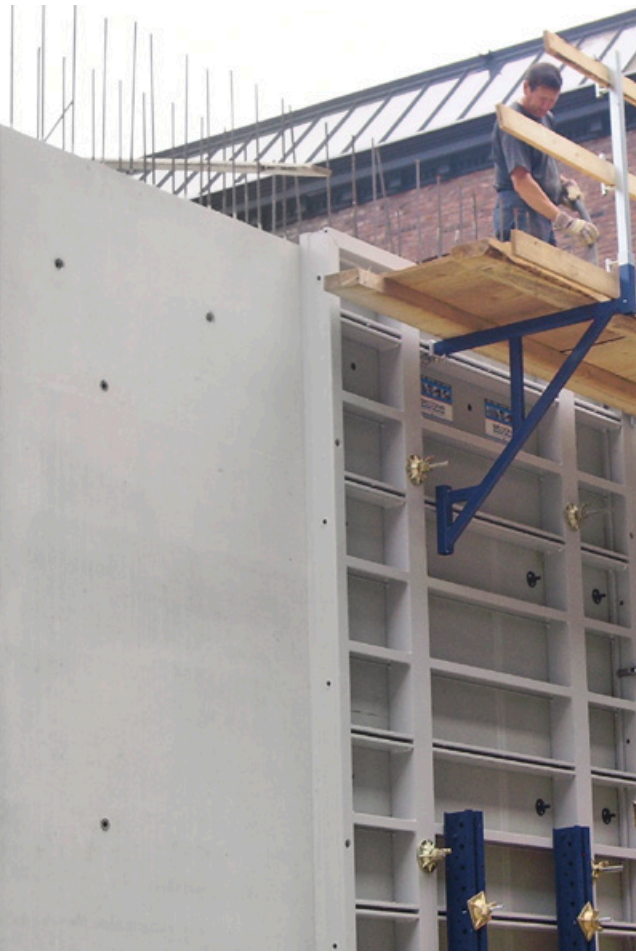
alkus® solid plastic panels are immune to the common causes of timber damage: they last twenty times longer than many timber panels – over 1,000 uses of the same alkus® solid plastic panel have been documented.

- No shrinking, swelling or rotting
- No moisture absorption
- No irregularities (ripples)
- No discolouration of the concrete
- High resistance to UV rays
- High abrasion resistance
- High resistance to acids, alkalis and chemicals

alkus® solid plastic panels can be nailed, screwed and cut just like timber – as well as bent, shaped, formed und repaired (with identical material) without any loss of quality. It's a worthwhile investment!



Burj Khalifa, Dubai





# DURABLE, PRACTICAL, SUSTAINABLE

# THE

# ADVANTAGES

# FOR YOUR

# SUCCESS

## Profitable for years to come

alkus® solid plastic panels enable up to 1,000 uses – that is twenty times more than many timber panels and up to four times more than many other plastic panels.

## Easy to repair without any loss of quality

Scratches, holes or perforations: alkus® solid plastic panels can be repaired quickly and easily using identical material. This means: the unique repair solution helps to retain the technical properties of the panels – there are no vulnerable weak spots!

## Versatile: rigid yet flexible

alkus® solid plastic panels are rigid but can be bent, shaped and formed quite easily. This ensures the simple production of special concrete forms – curves, corners and even trapezoidal shapes.

## Panel sizes and thicknesses for every application

alkus® solid plastic panels are manufactured in a continuous production process and are available in various widths and thicknesses. Furthermore, the solid plastic panels can be skilfully welded together to produce panels of every shape and size – even on-site.

## Easy to handle

alkus® solid plastic panels can be nailed, screwed and cut just like timber.

## Top quality exposed concrete

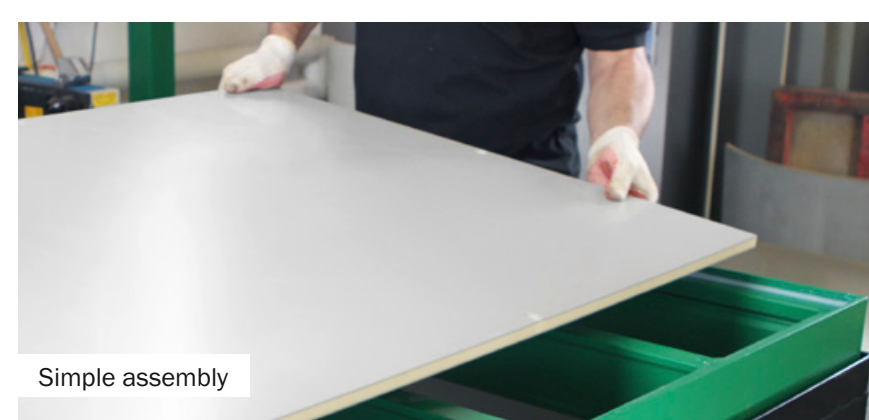
alkus® solid plastic panels enable perfect element joints and excellent concrete surfaces corresponding to exposed concrete class SB 4.

## Quick and easy panel cleaning

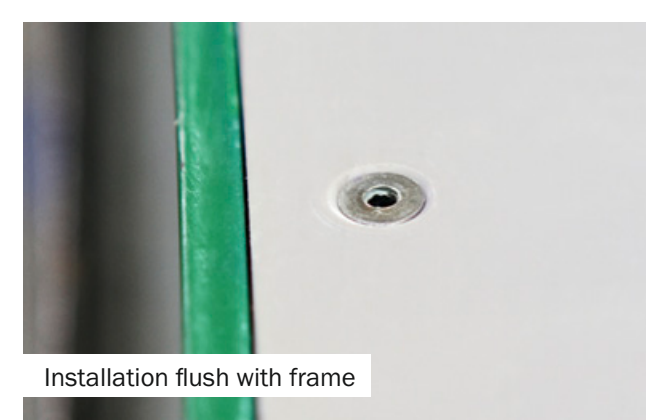
alkus® solid plastic panels can be cleaned quickly and easily after application – even using a high-pressure washer with up to 1,000 bar operating pressure.

## Greener than timber

alkus® solid plastic panels can be recycled 100%. Timber panels and other plastic panels frequently have to be dealt with in expensive methods of disposal. In contrast alkus® solid plastic panels are the greener solution.



Simple assembly



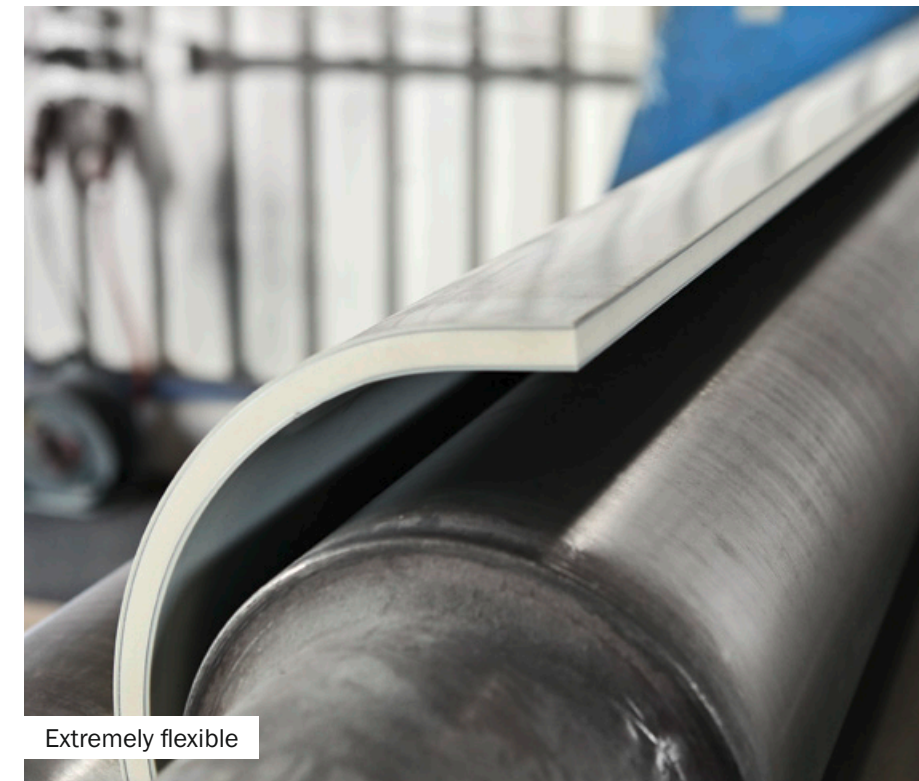
Installation flush with frame



Easy to nail



Repair with identical material



Extremely flexible



Finished repair



Cleaning with rotation cleaner



High-pressure cleaning



Seamless surface



# BOUNDLESS POSSIBILITIES



# alkus® IS A WORTHWHILE INVESTMENT FOR YOUR INDUSTRY

**Save time, money and energy:**  
alkus® solid plastic panels offer real advantages in industrial applications.

## Formwork suppliers

alkus® solid plastic panels last twenty times longer than timber, are more or less wear resistant and can be repaired with identical material. This means the same panel can be hired out over and over again!

## Formwork retailers

alkus® solid plastic panels can be tailored to every formwork system. Allow your customers to work with great efficiency and achieve a higher level of customer satisfaction with a whole new range of services!

## Tunnel and special formwork construction

alkus® solid plastic panels can be formed to almost any shape and are extremely robust and resistant. Special designed for the task at hand and used for longer without having to be replaced (re-panelled).

## Precast concrete unit industry

alkus® solid plastic panels are ideal for efficient large production runs. They can be supplied in almost any size and shape to meet requirements, are much lighter and easier to handle than steel panels – and correspond to exposed concrete class SB 4.

## Construction industry

alkus® solid plastic panels are more durable than timber panels, but just as easy to use. They are suitable for every formwork system and last just as long as the panel formworks, making them much more efficient than other solutions on the market today.

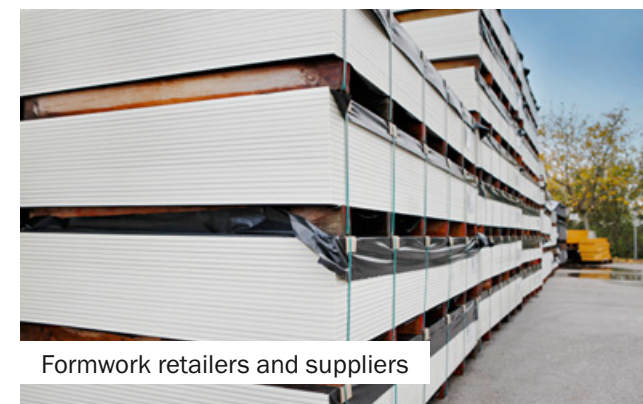
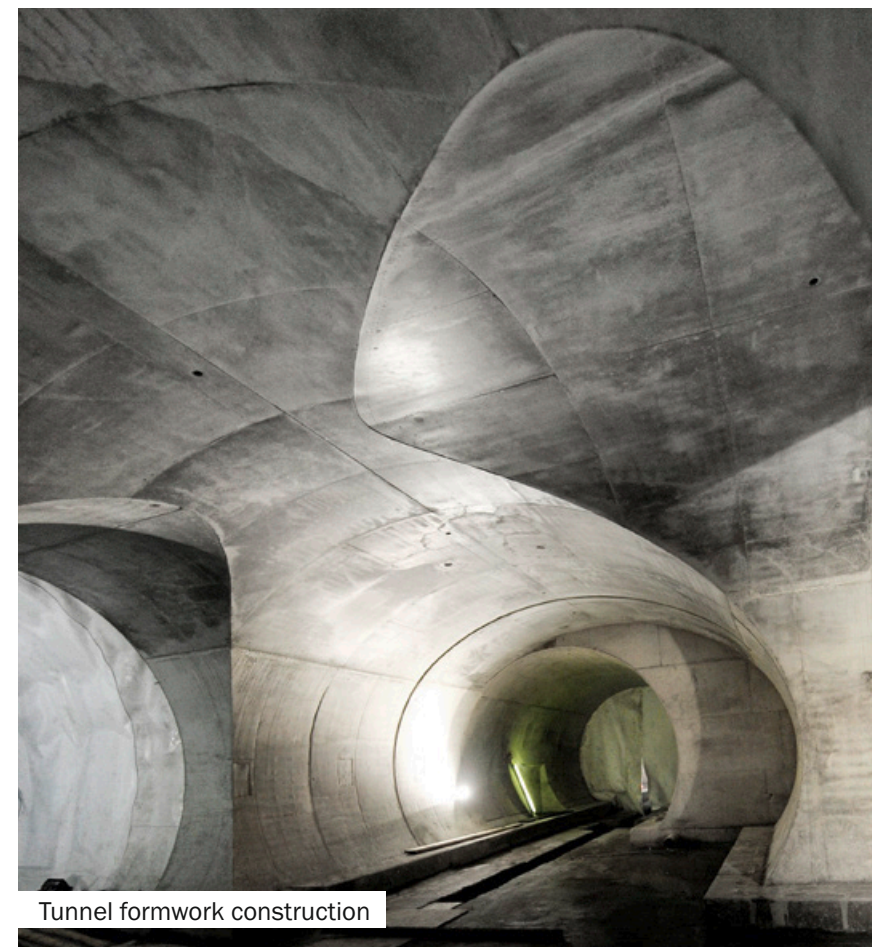
## Architects

alkus® solid plastic panels are very rigid yet second to none in terms of flexibility and adaptability – they ensure high quality surfaces of exposed concrete without visible joints. alkus® solid plastic panels help you to achieve ambitious concrete projects!

**alkus® solid plastic panels were originally developed as concrete formwork panels. However, many other sectors can profit from their positive characteristics:**

- |                          |                           |
|--------------------------|---------------------------|
| + House construction     | + DIY sector              |
| + Dyke construction      | + Shipbuilding            |
| + Furniture construction | + Playground construction |
| + Trailer construction   | + Stable construction     |
| + Stage construction     |                           |

**Simply the clever choice wherever durability and flexibility are required!**





# UNIVERSAL APPLICATION

## INSTALLATION IN ANY PANEL FORMWORK

alkus® solid plastic panels are suitable for every available panel formwork system – irrespective of the manufacturer. They can be riveted or screwed into place from the front or the rear. And they can even be re-used after panel formwork repairs.

### „We have been using alkus® solid plastic panels for more than two years.

In our opinion, the panels are basically as good as the day they were made.”

*Heinz Sieber, Eugen Sieber GmbH, Horb-Dettingen, Germany.*

### „alkus® already proved to be the right choice when constructing the elements.

The formwork fitted the element like a glove, thus enabling simple installation. Our specialists on-site are extremely satisfied, as there is hardly any wear or tear.”

*Ernst Flösser, Schalungsbau Huber & Sohn, Bachmehring, Germany*

„Typical application involves standard elements where the production of steel form systems is either uneconomical or too difficult. alkus® solid plastic panels are just as easy to use as timber panels, but guarantee less wear.”

*Thomas Römer, precast concrete plant Railbeton, Chemnitz, Germany*



### Your plus in terms of compatibility:

alkus® solid plastic panels can easily be used for all common panel formwork systems. In addition alkus® offers several panel thicknesses, flexible formats thanks to a continuous production process and virtually any panel size due to the possibility of welding.



### Your plus in terms of quality:

#### Unique: 7 year long-term warranty

alkus® solid plastic panels have been proving their value in the construction industry for over ten years. This is the reason why alkus® solid plastic panels come with a 7 year long-term warranty on key technical properties.

- + No rotting – guaranteed
- + No surface irregularities (ripples) - guaranteed
- + No formwork-related discolouration - guaranteed
- + No warping - guaranteed
- + No UV damage - guaranteed

View the complete warranty terms and conditions at [www.alkus.li](http://www.alkus.li)



#### Certified quality

Our quality management and production are certified to DIN-ISO 9001:2008, thus ensuring continuous high-quality product properties for our customers.





# SERVICE THAT PAYS OFF

We are here to make it as easy as possible for you and your staff to reap the benefits of alkus® solid plastic panels – and will be happy to answer any questions you may have.

We offer free set-up demonstrations and training courses to all our customers during which we also focus on cleaning and repairing alkus® solid plastic panels. We will be delighted to either visit your premises with our “alkus®-Mobil” or welcome you to our Technology Centre. We will, of course, continue to offer you any advice and support for as long as it is needed!



## THE EFFICIENT WAY TO YOUR NEW alkus® SOLID PLASTIC PANELS

alkus® AL, alkus® GM and a whole range of accessories (e.g. a repair kit) can be ordered directly from alkus®.

They are available in various thicknesses and sizes and can be tailored to your special needs.

Call us on **+423 236 0030**, send an email to **mail@alkus.li** or simply order online!



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Online-Service

We look forward to hearing from you!



**alkus<sup>®</sup> | innovative systems  
A worthwhile investment.**

**Sales & Marketing**

alkus<sup>®</sup> AG

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