



## HOMAPAL A2-SOLUTION

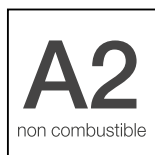
A combination of creativity and security



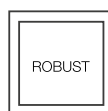
# THE HOMAPAL A2-SOLUTION: IT'S NICE WHEN THE MOST CREATIVE SOLUTION IS ALSO THE SAFEST.

Interior design products specifically created for fire resistance are available under the HOMAPAL A2-Solution brand. The decisive features of this product line are not just in the certified board material, but also incorporate important factors such as a certified frame and any possible special properties such as acoustical performance and edge design.

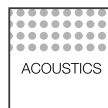
With HOMAPAL A2-Solution, a fire protection system has been created that offers you the possibility of an individual design whilst at the same time ensuring the highest levels of safety. HOMAPAL A2-Solution pre-coated panel are both state-of-the-art and certified as follows in their fire protection class A2-s1, d0 according to DIN EN 13501-1.



- » Gypsum fibre board in 1100 kg/m<sup>3</sup> density certified as a composite
- » coated with HOMAPAL A2-solution laminate in 24 uni-decors Formica (Matte58) and 12 wood decors Formica (Matte58 and Natural)
- » May be subsequently formatted and edged



Highly robust with impressive stability



Ideal for improving room acoustics



HOMAPAL laminate in 24 uni-decors Formica (Matte58) and 12 wood decors Formica (Matte58 and Natural)

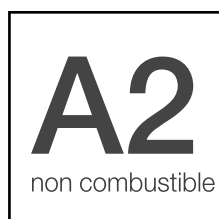




# THE HOMAPAL A2-SOLUTION

## HOMAPAL A2-Solution

<b>CORE MATERIAL</b>	bulk density $\geq 1100 \text{ kg/m}^3$
<b>SURFACE</b>	High pressure laminate (HPL) according to DIN EN 438-1 and classified as EN 438-9 in 24 uni-decors Formica (Matte58) and 12 wood decors Formica (Matte58 and Natural)
<b>STANDARD FORMATS</b>	3030 x 1200mm
<b>THICKNESSES</b>	on stock: 13,4mm/ 19,4mm made to order: 17,4mm / 22,4mm / 24,4mm / 26,4mm
<b>BUILDING MATERIAL CLASSIFICATION</b>	A2-s1, d0 according to DIN EN 13501-1



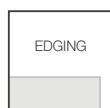
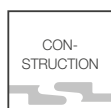
The Homapal A2-Solution is used in all areas of high-quality interior design as well as drywall systems with exacting design requirements.

The embellished surfaces enable individual designs to be achieved, meaning that tomorrow's requirements can be met today. Acoustic protection, acoustic properties, fire protection as well as robustness are

requirements met by the HOMAPAL A2-Solution in correspondingly tested systems alongside very great flexibility in design.

The HOMAPAL A2-Solution: Excellently suited to use in areas subject to building regulations where non combustable composite materials are required.

## Classification:



				
<b>F7949*</b> Soft White	<b>F2296*</b> Sno White	<b>F2255*</b> Polar White	<b>F1534*</b> Magnolia	<b>F7879</b> Dusty Jade
				
<b>F7927*</b> Folkestone	<b>F7902*</b> Iron	<b>F1484</b> Steel	<b>F7924</b> Lead	<b>F7912*</b> Storm
				
<b>F7929</b> Oyster Grey	<b>F7961</b> Fog	<b>F7928</b> Mouse	<b>F2770*</b> Sarum Grey	<b>F5342*</b> Earth
				
<b>F7884</b> China Blue	<b>F2828</b> Tropical Blue	<b>F8822</b> Denim	<b>F7914</b> Marine Blue	<b>F5323</b> Nocturne
				There may be deviations or differences regarding the color combination of the HOMAPAL A2-Solution with other Formica laminates. The reason for this is the different material structure.
<b>F7845</b> Spectrum Red	<b>F6901</b> Vibrant Green	<b>F7837</b> Graphite	<b>F2253</b> Diamond Black	

## AESTHETIC AND FUNCTIONAL SURFACES MATTE 58 AND NATURAL



### Matte 58 (MAT)

Partnered with designs inspired by natural materials, Matte58™ delivers a clean and modern look.

All uni- as well as wood decors of the HOMAPAL A2-Solution are available in this contemporary surface. Matte 58 - simplicity and modern elegance.



### Natural (NAT)

The 'Natural' surface impresses with its authentic wood structure and conveys a warm, cozy interior atmosphere.

All wood decors of the HOMAPAL A2-Solution are available in the almost natural-looking natural wood grain with a matt surface. Wood atmosphere has - according to studies - a pleasant and calming effect.

\* These decors are part of our **stock collection**.

For decors not marked with an asterisk, we will gladly inform you about the delivery time on request.

## DECORS A2-SOLUTION



**F8843**

Natural Ash



**F2726**

Natural Beech



**F8853\***

Rural Oak



**F8006\***

Avignon Walnut



**F5374**

Elegant Oak



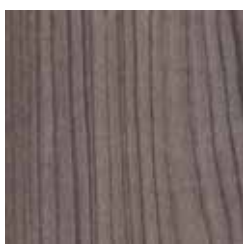
**F5372**

Vintage Wood



**F6932**

Macchiato Walnut



**F5373**

Nocturne Wood



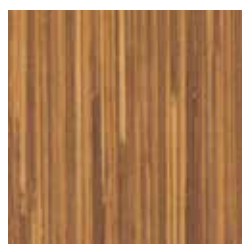
**F8588**

Nevada Oak



**F8851**

Classic Wenge



**F3699**

Rattan Cane



**F5488**

Smoky Brown Pear







# STRONG CONNECTION. WALL SYSTEM WITH MOUNTING GRID

Practical solutions for perfect surfaces: function meets design. This is our pledge as professionals enabling us to provide clever systems facilitating easy and securely connected wall cladding. Comprising of the wallsystem, the wedge strip system, the DESIGNBOARD FIX System and the appropriate screws. For vertical and horizontal overhead solutions - designed to the last details - this wallsystem leaves nothing to be desired.

Recommendation:

Use a cordless screwdriver with torque limiter.

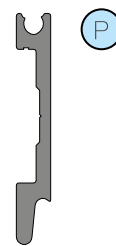
The screw must not be over tightened.

## WEDGE STRIP MOUNTING (SOLUTION 1)

Perfect surfaces and inner properties - for professionals, this promise means a clever system for cladding walls easily and securely. Consisting of HOMAPAL A2 Solution, aluminium wedge strips and suitable screws.

Boards are supplied as required - slotted or perforated. The core of this system is wedge strips that are wall-mounted and board-mounted and then slotted into one another. Perfect for both: horizontal overhead and vertical solution.

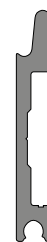
Cross-section



(P)

### Wedge strip

Mounting on a board using Euro screws



(W)

### Wedge strip

Mounting on an existing, stable and plane wall with suitable fasteners



1

### Euro screw for mounting on gypsum fibre board

Cylinder head type B galvanized 6,3 x 11 bzw. 14 mm

2

### Suitable fasteners

for fastening to an existing wall



3

### Products/panels of the HOMAPAL A2-Solution range

# SYSTEMATICALLY CLEVER. FLEXIBLE WALLSYSTEM (Solution 2)

Immaculately aligned wall and ceiling surfaces require precision during installation. How convenient it would be if that could be done without major effort, without tools and, subsequently, adjustments were able to be made with millimetre accuracy.

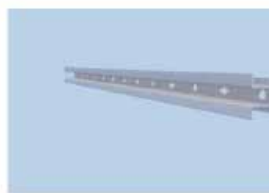
The invisible non combustible mounting system for walls and ceiling combines the HOMAPAL A2 Solution panel and the invisible Knauf Design mounting system. The turn clips, which can be adjusted with millimetre accuracy, slot into Designboard Fix rails on the wall or ceiling substructure.



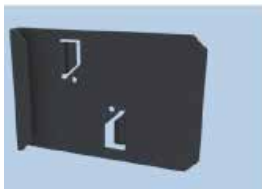
## Components



KDBF rail 8



KDBF rail 18



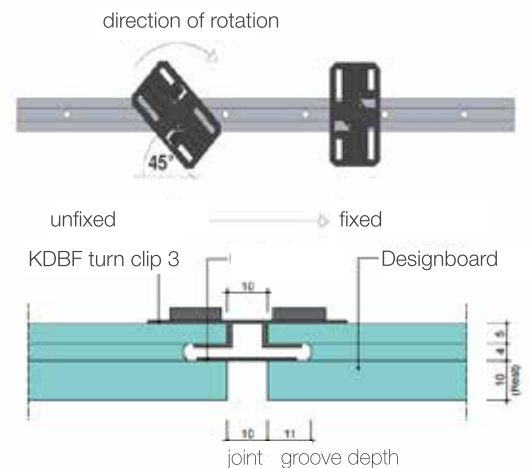
KDBF turn clip 1



KDBF turn clip 3

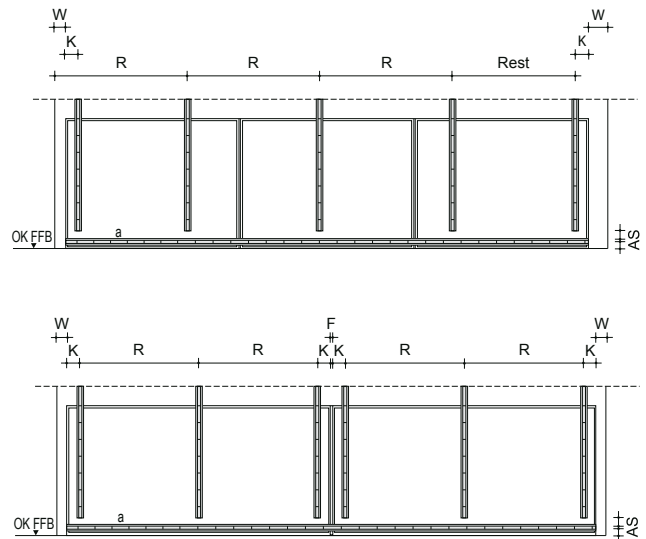


KDBF turn clip 2

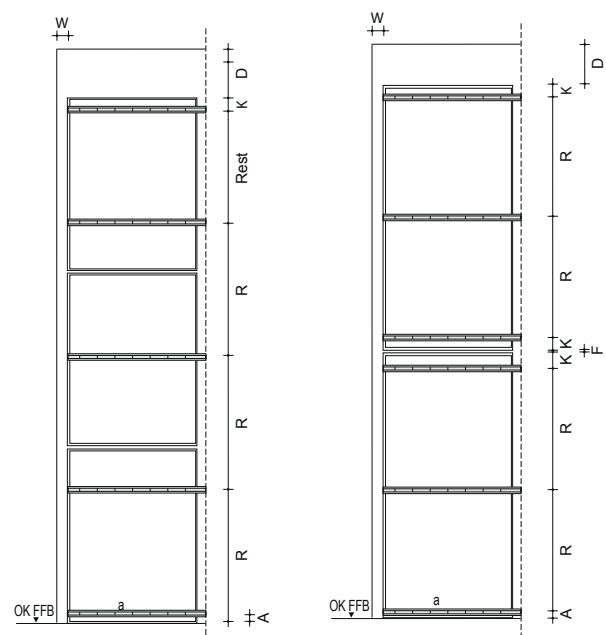
KDBF acoustic insulation  
spring

- » For wall and ceiling use
- » Joint formation 0-20 mm, with A2 composite requirement 0-10 mm
- » Surface mounting height 8 mm / 18 mm
- » Classified to EN 13501-1 in composites
- » Pre-mounting of the substructure possible
- » Can be mounted without tools
- » Can be dismantled with 8 mm hang-out clearance, revisable
- » Adjustable, can accommodate building tolerances
- » Sound decoupling possible

## Wall system 1:



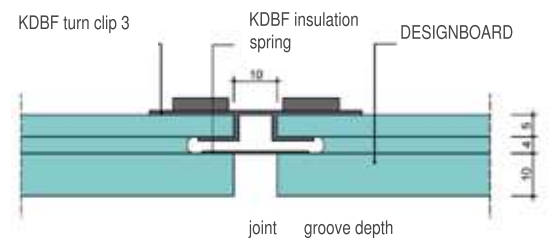
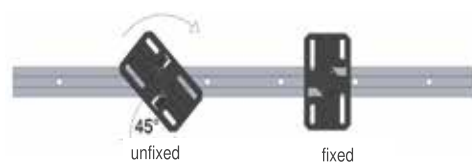
## Wall system 2



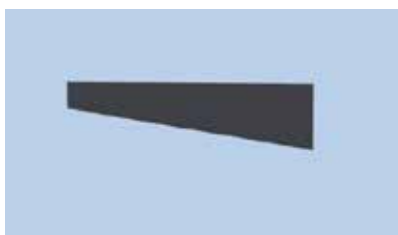
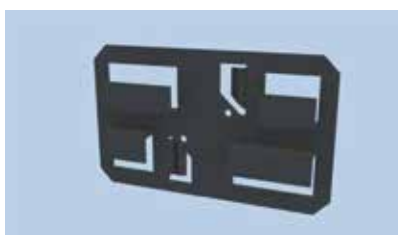
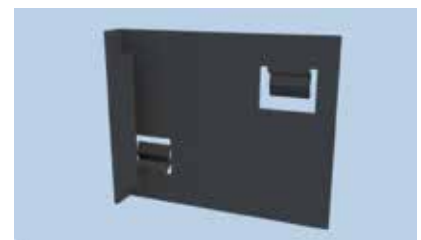
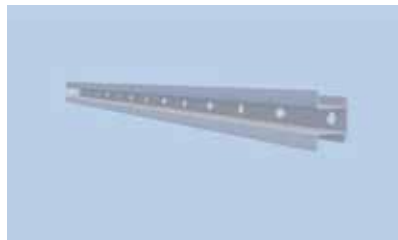
# FLEXIBLE SOLUTION. FIX CEILING SYSTEM.

Knauf ceiling systems consist of a suspended or directly fastened substructure, planked with HOMAPAL A2-Solution. The numerous requirements arising from the applications are satisfied thanks to a wide range of versions.

HOMAPAL A2-Solution ceiling cladding and suspended ceilings are used below solid ceilings, wooden beam ceilings or trapezoidal sheet metal ceilings to improve the fire protection, sound and thermal insulation, to create an installation level between the raw ceiling and the visible ceiling, and to alter the room height, not least for aesthetic reasons.



## COMPONENTS:





# FENDER SOLUTION

The PROTECT SYSTEM fender solution is a creative solution that ideally combines ultra-modern technology and aesthetic appeal.

Our PROTECT SYSTEM helps to maintain the value of the room and permanently protects its appearance in all heavily used buildings - especially hospitals, care homes, schools and public buildings. The PROTECT SYSTEM solution provides impressive benefits such as fire protection, design, insulation and noise absorption as an integrated system.

Each individual component is an elementary part of the fender system. We therefore only select outstanding components so as to ensure and guarantee the highest possible protection. We offer a protection system that combines reliability, stability and design.

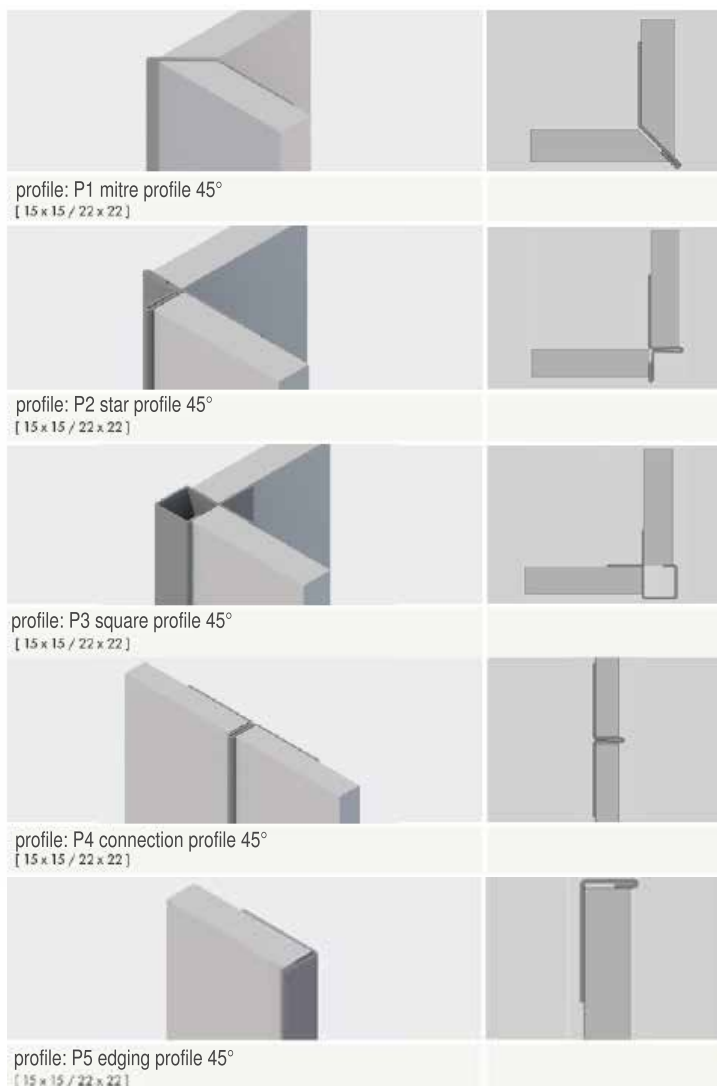
The basis of our pledge, and thus the foundation of the entire PROTECT SYSTEM solution, is the HOMAPAL A2-Solution, tested as "non combustible" according to European standard EN 13501-1 A2-s1,d0.

A range of different decor versions ensures that each room's special features and individual character are preserved, despite the fender system. The PROTECT SYSTEM solution is a creative protection measure.

Our unique, tested design support is extended and complemented by various connecting and corner profiles. For these, we use the PROTECT-TRAIL profile range, a system based on stainless steel or anodised aluminium fender rails which harmonises beautifully with the HOMAPAL A2-Solution.

The PROTECT SYSTEM provides an almost invisible fender flush with the wall in all areas, the stability of which is guaranteed by a special mounting method using adhesive technology or mechanical versions.

## PROFILLS IN ALUMINIUM AND STAINLESS STEEL



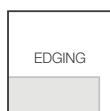
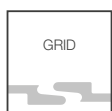
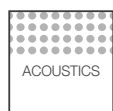




„Our mission:  
Protection at the highest  
aesthetic level”



# CHARACTERISTICS OF THE HOMAPAL A2-SOLUTION.



Surface-finished, laminate coated fibre-reinforced plasterboard according to EN 14190. Fire behaviour classification in composite structure tested to A2-s1, d0 in accordance with EN 13501-1, including joint formation and invisible substructure.

The fire behaviour classification includes edging in accordance with the manufacturer's specifications. The HOMAPAL A2-Solution can be cut, drilled, milled, ground and edged using standard manufactured board processing tools and machines for woodworking.

## core board:

Fibre-reinforced plasterboard with the following properties:

Material board made of natural gypsum and FGD gypsum with the addition of cellulose fibres from recycled waste paper and cardboard. The natural gypsum is surface-mined within a 30-km radius of the plant. Homogeneous stratification with consistently even density course. Low expansion and contraction behaviour. Biologically safe for building work and very environmentally sound. High fracture toughness and crack propagation resistance. High dynamic loading during transport, processing, impact, etc.

## core thickness:

12 - 25 mm

## core density:

> 1100kg/m<sup>3</sup>

## screw withdrawal value:

>2kN

## e-module:

> 2000 N/mm<sup>2</sup> (load limit)

## classification of the fire behaviour core board:

A1 according to EN 13501-1

## construction of element: front side:

on both sides

High pressure laminate (HPL) according to DIN EN 438-1 and classified as EN 438-9 in in 24 uni-decors Formica (Matte58) and 12 wood decors Formica (Matte58 and Natural) balancing / as front

## rear side:

## edge banding:

raw / alternative 0,3 melamine edge similar to surface

## format:

3030 x 1200 mm

## processing thickness:

13,4 - 26,4 mm

## ONE SYSTEM. A VARIETY OF POSSIBILITIES

- » Fire protection (non-combustible), can be used anywhere, even in escape routes
- » Certified and approved adhesive technology, hence extremely rapid mounting on site
- » Robust surface that meets the most exacting requirements (chemical and cleaning product resistant, scratch-proof)
- » We use a sustainable, certified and biologically safe fibre-reinforced plasterboard.
- » The boards can be cut, drilled, milled and glued on site without any problems.
- » The innovative PROTECT RAILS can be glued or screwed on to the edgeless boards (no additional groove cutting necessary on site)

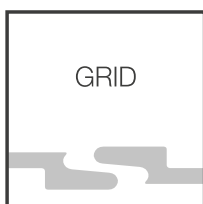
Wall/ceiling fastening systems are components of the approval and classification.

To be obtained from: KNAUF DESIGN: Knauf riessler GmbH & Co. KG, [info@knauf-design.com](mailto:info@knauf-design.com), [www.knauf-design.com](http://www.knauf-design.com)



# SCOPE OF CLASSIFICATION

## HOMAPAL A2-SOLUTION



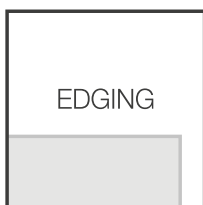
**HOMAPAL A2 Solution** features classified installation grid systems. The classified

material includes the invisible Knauf wedge strip and the DESIGNBOARD FIX system.



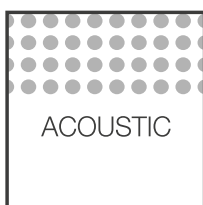
**HOMAPAL A2 Solution** can be cut, milled, drilled and slotted to the required formats by the installer. This facilitates

important adjustments without impairing the fire resistance A2-s1, d0 according to EN 13501-1.



**HOMAPAL A2 Solution** can be edged after configuration by the installer with the approved edging system from Knauf De-

sign and is fire protection classified according to EN 13501-1, A2-s1, d0.



**HOMAPAL A2 Solution** can be installed on-site with acoustically effective properties should they be required. Accordingly, the design and fire protection in A2-s1, d0

according to EN 13501-1 are not affected. You can also choose different perforation and slit designs.



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