



# Wood Construction by Design

Intelligent Solutions  
for Modern Wood Frame Construction

# Strong in Service and Innovative



**The industry's broadest product portfolio – complete families of branded products from one source**

**The AGEPAN® Business Unit of Glunz AG / Sonae – Intelligent products and services for constructive applications**

**AGEPAN® Delivery service with a Guarantee – Made possible by 48-hour delivery and state of the art logistics**

**AGEPAN® on the Internet – [www.agepan.de](http://www.agepan.de) with myGlunz, a comprehensive service and information portal with customised tips**

**AGEPAN® Service Centre – Personal support from competent specialists**

**AGEPAN® After-Sales Support – Comprehensive service and customer care**

**The Sonae Academy – Practical knowledge from professionals for professionals**

**The Sonae Indústria Group – Glunz AG has been part of a strong group since 1998**

For more information, please visit us on the Internet at [www.sonae.glunz.de](http://www.sonae.glunz.de)



# AGEPAN® – Wood Construction by Design

## Nature is our inspiration

Our commitment is to enable people to live and work in an ecologically beneficial atmosphere with natural materials.

Wood based products particularly when used in timber frame housing can help have a positive effect on global warming by improved energy efficiency. Wood and wood products can be used as a substitute for traditional building materials specifically manufactured in high energy process as brick or concrete.

As an insulator AGEPAN® reduces energy emissions from housing, thus helping to

minimise individual house energy usage and reduction of emissions into the atmosphere.

Today's houses are larger, more comfortable and much flexibly designed so that there are practically no limits for your imagination in turning your dream home into reality.

## Ecology for the Future

Wood construction is the wave of the future – and AGEPAN® systematically and intelligently applies the standards of nature to meeting the requirements of our age. We have the right wood based

materials for constructing environmentally friendly, cost-effective buildings.

It is easy, fast and inexpensive to build highly thermally insulated structures with:

- AGEPAN® THD
- AGEPAN® DWD
- AGEPAN® TEP
- AGEPAN® UDP 25
- AGEPAN® OSB

Living and working, feeling at home in harmony with nature – AGEPAN® means building by design.

Should you have any questions on AGEPAN® products, the staff of our Service Centre will be happy to inform you.

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# The Solution: Simply Wood

## ■ Intelligent Solutions

### A Pleasant Living Climate, More Space and Value Retention

The AGEPAN® building system is the intelligent solution for modern timber frame construction. It is excellently suited for:

- New buildings
- Renovation
- Extensions
- Upgrading
- Vertical extensions

When you decide to build a house from timber – a natural material – it is because you want the pleasant feeling of living in a natural environment. You appreciate the enormous advantages of building with wood: fast construction, extra space as a result of thin walls and low energy costs. Not to mention the fact that you can do much of the work yourself, you build more cheaply.

Modern wood construction is a manual skill involving mature structural solutions. It offers a high degree of reliability to planners, builders and owners.

### Modern Warm Roofs

The benefits of the AGEPAN® building system begin with the roof. Here we have concentrated exclusively on modern warm roofs. The use of AGEPAN® products makes for a constant climate and comfortable living all year round.

### Robust Walls

Intelligent AGEPAN® solutions, with their water vapour permeable construction, also allow you to make robust walls. AGEPAN® THD, AGEPAN® UDP 25 and AGEPAN® DWD in particular are used for outer panelling, owing to their outstanding properties. Together with AGEPAN® OSB boards on the inside, this provides sound proofing and vapour permeability.

### Intelligent Floor Systems

Improve your floor or, when building a new house, opt for a dry screed floor. We offer 22 intelligent AGEPAN® floor structures for all applications. Our AGEPAN® TEP and NOVOPAN® surfacing boards with AGEPAN® insulating boards and AGEPAN® D3 glue, makes a complete flooring system.

### AGEPAN® for All Applications

All structures made with the AGEPAN® building system naturally also meet the legal requirements with regard to:

- Sound insulation
- Thermal insulation
- Protection against moisture
- Fire protection

### Reducing Costs with Prefabrication

Individual sections made with the AGEPAN® building system can be completely prebuilt in a carpentry shop with a suitable hall (so it can be done in any weather).

It then takes only a few days to assemble the "carcass" and make it wind and raintight. Then work on the interior surfaces can immediately start in a protected space. This minimises the time required for construction and saves costs into the bargain.

Experience has also shown that the AGEPAN® building system can significantly increase productivity.



## Service, Advice and Co-Operation

### ■ We're Here for You

#### Information Service

The AGEPAN® building system includes not only intelligent solutions but also a full range of services. AGEPAN® also offers you customised solutions and optimum support geared to your project.

You can take advantage of our portal at [www.agepan.de](http://www.agepan.de) round the clock to obtain extensive information on products and components. There are clearly organised planning aids to help you work out the details. There are precise instructions to facilitate using AGEPAN® system products. In addition, you can read news of recent developments and events in the building trade.

Users and planners greatly benefit in other ways as well. We'll back you up with a custom-tailored solution for your project, utilising the AGEPAN® telephone hotline, a direct e-mail service and extensive

information to help you plan and calculate your application. Training courses and informational events organised by the Sonae Academy round off our service package.

#### AGEPAN® System Binder

Our updated AGEPAN® system binder is a compact yet comprehensive information package. In it, you can quickly find well-organised information to help you carry out your project: everything from detailed drawings, structural calculations and texts for inviting contractors to bid, across product data sheets and instructions on use to a host of example applications and important information for builder/owners, including a video showing the construction of a model home.

We have also digitised its contents and stored them on a CD-ROM for your convenience. This lets you quickly and directly add any or all parts of the AGEPAN® system binder to your own plans and documents.

#### Current Calculation Data

AGEPAN® products are already listed in some of the programs for performing structural calculations. You can also work directly with the values of the wood based materials of the AGEPAN® system. We also offer a program which you can use to determine screw sizes and the total number required for roofs. This software is constantly updated. It is available together with the AGEPAN® system binder and on our website.

#### Technical Advice On-Site

For all issues that can only be dealt with in a one-on-one meeting, we also offer problem-orientated consulting, on request on-site. Our wood construction specialists will help you with practical expertise on all aspects of AGEPAN® system solutions: from planning to optimum use. We make a point of always supporting you directly and comprehensively



You can directly access the parts of this model home on CD-ROM and the Internet.



# The Products of the AGEPAN® Building System

## ■ Innovative and Ecological

### Consistent Environmental Protection

Wood frame construction offers outstanding economic and environmental benefits. The use of wood, which is a renewable natural resource and can be efficiently processed into high-quality building materials, conserves energy and reduces CO<sup>2</sup> emissions. All of our wood-based materials are fully recyclable. Houses can also be extended using environmentally friendly materials.

### Tried and Tested Quality

The intelligent AGEPAN® building system is based on high quality, modern engineered wood materials. The system comprises various elements to meet even the most demanding requirements for various architectural designs and healthy living.

AGEPAN® also meets the most stringent requirements in walls and floors. You benefit because they last a long time and conserve their value.

### Optimally Assembled

Every component of the AGEPAN® building system is tailored to meeting the most stringent of modern wood construction. The broad product palette lets you combine our wood based materials for constructive applications. They make it easy for you to create highly insulated houses.

For more information, please visit [www.agepan.de](http://www.agepan.de)

## Applications

Construction and modelling | Renovation and upward extension | Ideal for energy-optimised wood construction

# The Materials of the AGEPAN® Building System

## AGEPAN® OSB

Applications:	Wall, roof and floor constructions
Properties:	Extremely bend resistant, shape retentive, moisture resistant
Functions:	As a load bearing panel material, vapour barrier and air sealing layer

## NOVOPAN® P3

Applications:	Floor constructions
Properties:	Shape retentive, moisture resistant
Functions:	Ideal for floating installation

## NOVOPAN® P4

Applications:	Wall, roof and floor constructions
Properties:	Extremely bend resistant, shape retentive
Functions:	As a load bearing panel material

## NOVOPAN® P5

Applications:	Wall, roof and floor constructions
Properties:	Extremely bend resistant, shape retentive, moisture resistant
Functions:	As a load bearing panel material

## AGEPAN® TEP

Applications:	Floor constructions
Properties:	Vapour permeable, thermally insulating, sound reducing
Functions:	Universal board for floors

## AGEPAN® THD

Applications:	Wall and roof constructions
Properties:	Vapour permeable, water shedding, wind sealing, thermally insulating, sound reducing
Functions:	As second water shedding layer, as substrate for plaster*

## AGEPAN® UDP 25

Applications:	Wall and roof constructions
Properties :	Vapour permeable, water shedding, wind sealing, thermally insulating
Functions :	As second water shedding layer

## AGEPAN® DWD

Applications:	Wall and roof constructions
Properties :	Vapour permeable, water shedding, wind sealing, outer panelling as additional load bearing element, shear resistant outer panelling
Functions:	As second water shedding layer

\*In Germany, a general construction permit must be obtained for composite thermal insulation systems.

### Highlights

- Wood, a natural resource, meets modern construction requirements
- Technically and environmentally, at least as good as other building materials
- With excellent characteristics
- Excellent customer care before and after purchase
- Efficient, fast and economic construction
- Vapour permeable construction
- Excellent properties
- Offers intelligent solutions for noise abatement, thermal insulation and fire protection
- Environmentally sound
- For building healthy homes
- Good heat storage capacity keeps the house cool in summer

Your company's stamp:



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