

inspiration

The future of heat storage ORTNER – The storage stove.



 **ortner**
Der Speicherofen.



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Experience the **sun's rays** at home.

Feel the sun on your skin. Imagine that for a moment. Remember that pleasant, incomparable feeling.

Did you know that solar radiation and thermal radiation are infra-red rays?

An ORTNER storage stove with its thermal radiation has the same effect and strengthens your immune system as well as your well-being. Choose the power of the sun that's stored in wood and enjoy a warmth that gets under your skin in your home.



Your ORTNER storage oven - happiness inside:

- › Thermal radiation provides the most pleasant well-being
- › You feel the sun on your skin
- › Rays of sunshine are heat rays with a high infra-red content
- › The ORTNER storage stove strengthens your immune system with infra-red rays



Warmth as it should be: even and long lasting.

The ORTNER storage stove doesn't require an air grid, nor does it stir up dust. Energy is transported with the aid of infra-red radiation. This causes the heat to act when it encounters a body.

In a storage oven, the fire's energy is stored in the ceramic mass and gradually released via the oven surface. All solid objects in the room heat up and store the heat or release it back into the environment in the form of radiation. The air circulation in the room is thus kept to a minimum and no dust is stirred up. The heat radiation of an ORTNER storage oven promotes the well-being of body, mind and soul. And this in turn triggers feelings of happiness.



Your ORTNER storage oven – happiness inside:

- › long-lasting, even heat radiation
- › pleasant sensation of warmth
- › no dust whirled up
- › healthy and allergy-friendly room atmosphere





Come home, get in and relax.

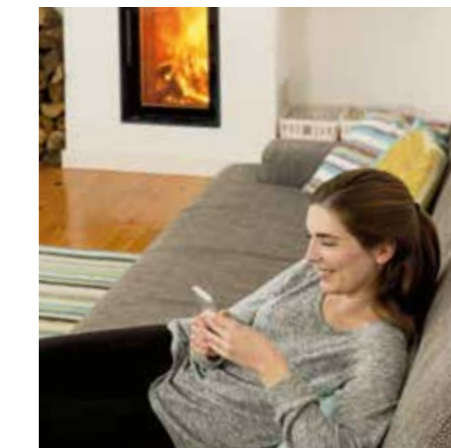
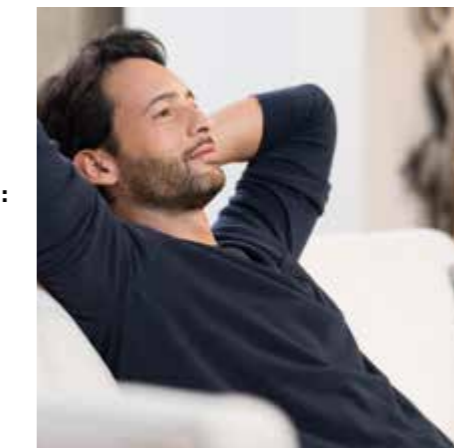
An ORTNER storage stove turns your home into an oasis of well-being. The wood piled up in the storage stove, the flames, the crackling and also the tranquillity that comes from that turn it into a special place.

You'll feel the storage stove's power from the very first moment. The unique atmosphere which is created. You'll experience a feeling of deceleration and notice how all the stress falls away from you. An ORTNER storage stove lets you immerse yourself in a special world of relaxation. Everyday life is banished when a storage stove is in the house. Relaxation and happiness move in with you.



Your ORTNER storage oven – happiness inside:

- › Arrive
- › Rest and deceleration
- › Everyday life remains outside
- › You dive into a special world of relaxation



An ORTNER storage stove appeals to all the senses.

An ORTNER storage stove is not just something for the eye. There's much more to it. Find out what your senses can look forward to.

It starts with the feeling you get when you pick up a piece of wood. It continues with the incomparable scent that the wood spreads and the crackling you hear when it's lit. The highlight is the feeling of warmth on your skin and the sight of a campfire in your own home. These sensations can't be replaced by anything, nor can they be described differently. And at the end you ask yourself: How have I lasted so long without a storage stove?



Your ORTNER storage oven – happiness inside:

- › take a piece of wood in your hand, feel it
- › note the wood's scent
- › hear the crackling of the logs
- › see the campfire in your own home





Relive the feeling of security.

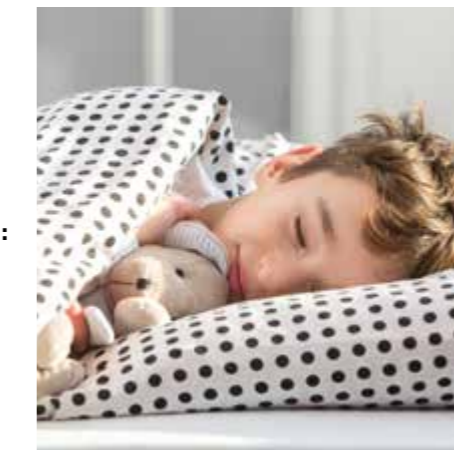
The word security has a special sound in itself, and hearing it automatically creates inner images and emotions that are associated with it. Inner images or even a scent, a feeling on your skin.

A storage stove confers a feeling of security. A feeling like when you take your time and retreat for a while to a quiet place to relax. Our thoughts may return us to our grandparents' living room, who already had a storage stove. Do you remember what you felt when you experienced those moments of well-being and harmony with your whole family? Create a place that radiates a sense of security in your home. Create your centre of happiness.



Your ORTNER storage oven – happiness inside:

- > security
- > a place for you to retreat to
- > special moments
- > beautiful memories



Every ORTNER storage stove is unique.

It's not about a stove that you've seen somewhere. With ORTNER, it's all about the storage stove that you want for your home.

Because the time comes when you've had enough of living out of a catalogue. You just want to surround yourself with beautiful things that really suit you. You've found a lifestyle that you'd like to make a reality and recreate in your own home. Your stove fitter is your point of contact. With an ORTNER storage stove you get a made-to-measure product that suits you and your home exactly. Your stove fitter will build the storage stove according to your wishes and ideas, just as you need it. After all, you're unique too.



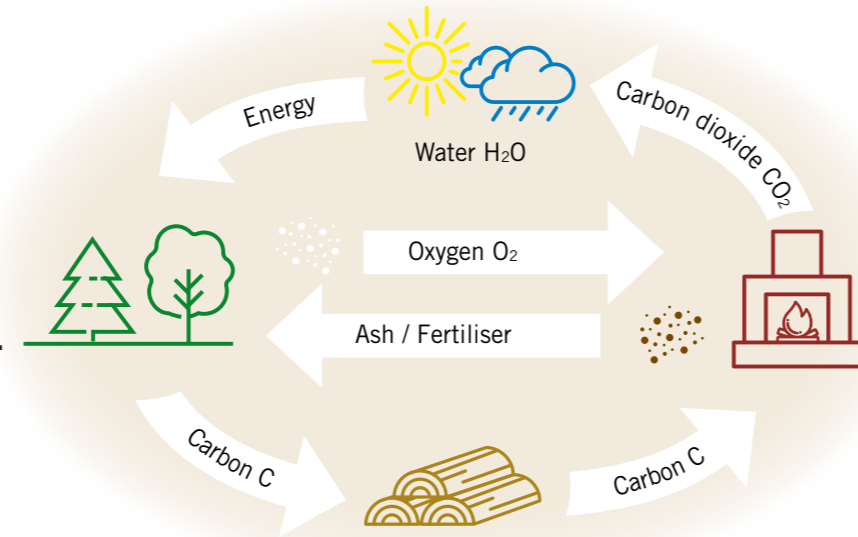
Your ORTNER storage oven – happiness inside:

- › Your stove fitter is your contact person
- › Find your perfect storage stove
- › Your wishes and ideas will be put into practice
- › Each ORTNER storage stove is unique



Heat in a CO₂-neutral fashion? **Stored!**

Is it possible in practice to heat in a CO₂-neutral fashion? Not a problem with an ORTNER storage stove. It isn't a secret why this is so, but the perfect heating solution for the environmentally conscious.



Wood is stored solar energy

From the beginning of its life onwards, a tree stores CO₂ from the air. When wood is burned optimally, there are no additional emissions when it is heated with an ORTNER storage stove. Instead, only the previously absorbed CO₂ is released again. With an ORTNER storage stove, you're heating in a CO₂-neutral fashion and environmentally consciously.

Renewable energy source

Nature's cycle keeps the concentration of CO₂ in the atmosphere in balance. And in the place of an old tree, a new one grows. So with wood we're also dealing with a renewable source of energy.

You can feel the effect

A central criterion for evaluating the efficiency of a storage stove is the so-called efficiency factor. Here, the ratio of useful energy to supplied energy is calculated. With an ORTNER storage stove, this efficiency factor is more than 80%. The ORTNER storage stove is therefore a very good "feed converter".

Correct heating

This principle applies when heating: The faster high temperatures are reached in the combustion chamber, the less smoke, containing harmful substances, can form. A good fire starts with optimally stored firewood. It must be dry, and it should be at room temperature. Over the years, a heating technology has also been developed for modern storage stoves that works very well and at the same time releases considerably less smoke, containing harmful substances.

Correctly dimensioned

Every ORTNER storage stove is designed exactly to the size of the room that it has to heat. This means that you can neither heat too much nor too little, and resources are used optimally.

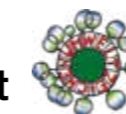
Correctly controlled

The ORTNER Combustion Control (ABS) regulates the air supply during combustion. It calculates the optimum shut-off time for the air supply from the highest temperature and regulates it fully automatically. This ensures that embers and heat remain in the combustion chamber in an optimum fashion. Combustion doesn't take place too quickly and the storage stove is able to store a maximum amount of heat.

An ORTNER lasts forever

ORTNER storage stoves are built for eternity. The quality of their local materials and their traditional craftsmanship go hand in hand with state-of-the-art technology. So anyone who invests in a storage stove today will get a durable heating system that will provide pleasure for many years to come.

All in the name of the environment



ORTNER storage stoves guarantee the best quality, and all this in the name of the environment. They have been awarded the Austrian Environmental Label 37 and also meet the requirements of Stage 2 of the German Federal Emission Control Ordinance. They also meet the energy efficiency class A+.





Our storage stove models at a glance.

No matter which model you choose, with an ORTNER storage stove you're always making the right choice.

The first step on your way to finding a suitable model is to determine the required output and thus the required amount of wood. Your stove fitter will be happy to advise you on this. Afterwards, you can choose together with him a pane size you like and which fits your design wishes.

Storage Fronts



Storage Tunnel



Storage Corners



Compact Models





Storage Fronts

An ORTNER storage stove is always the right size. The ideal accumulator pane front model may also be chosen.

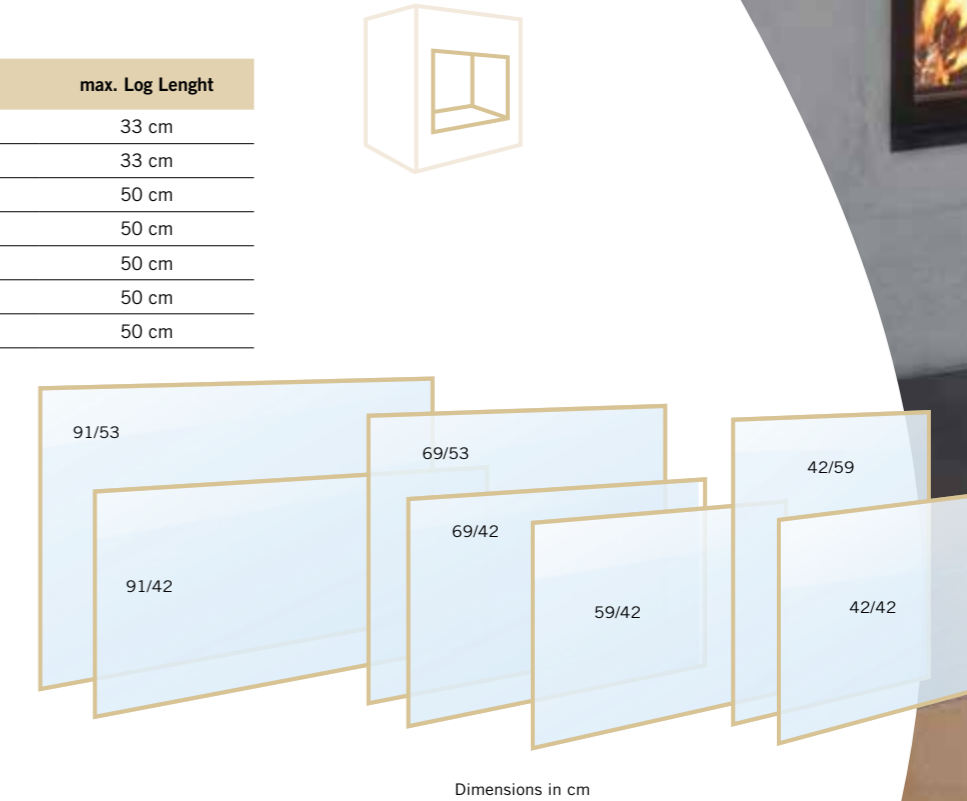
Model	Wood quantity max./min.	Pane Size	max. Log Length
G007-42/42	7/3,5 kg	42/42	25 cm
G007-42/42-Set	7/3,5 kg	42/42	25 cm
GO 07-42/59	7/3,5 kg	42/59	25 cm
GO 07-42/59-Set	7/3,5 kg	42/59	25 cm
G011-42/42	11/5,5 kg	42/42	33 cm
G011-42/59	11/5,5 kg	42/59	33 cm
G012-59/42	12/6 kg	59/42	50 cm
G013-69/42	13/6,5 kg	69/42	50 cm
G013-69/53	13/6,5 kg	69/53	50 cm
G016-42/42	16/8 kg	42/42	33 cm
G016-42/59	16/8 kg	42/59	33 cm
G016-42/69	16/8 kg	42/69	33 cm
G016-42/91	16/8 kg	42/91	33 cm
G018-91/42	18/9 kg	91/42	50 cm
G018-91/53	18/9 kg	91/53	50 cm
G025-42/42	25/12,5 kg	42/42	50 cm
G025-42/59	25/12,5 kg	42/59	50 cm
G025-59/42	25/12,5 kg	59/42	50 cm



Storage Tunnel

A view through an ORTNER storage stove is provided by the accumulator tunnel. With it, the combustion chamber is visible both from the front and from the back.

Model	Wood quantity max./min.	Pane Size	max. Log Length
ST11-42/42	11/5,5 kg	42/42	33 cm
ST11-42/59	11/5,5 kg	42/59	33 cm
ST12-59/42	12/6 kg	59/42	50 cm
ST13-69/42	13/6,5 kg	69/42	50 cm
ST13-69/53	13/6,5 kg	69/53	50 cm
ST18-91/42	18/9 kg	91/42	50 cm
ST18-91/53	18/9 kg	91/53	50 cm

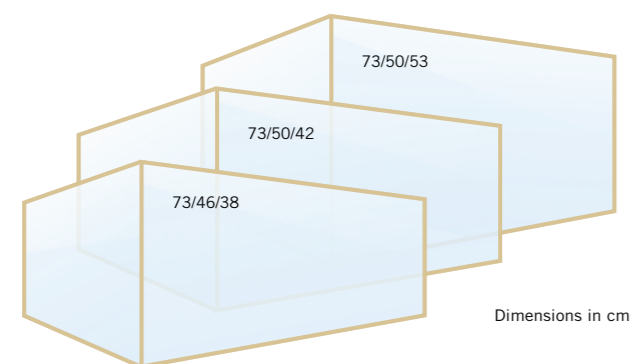
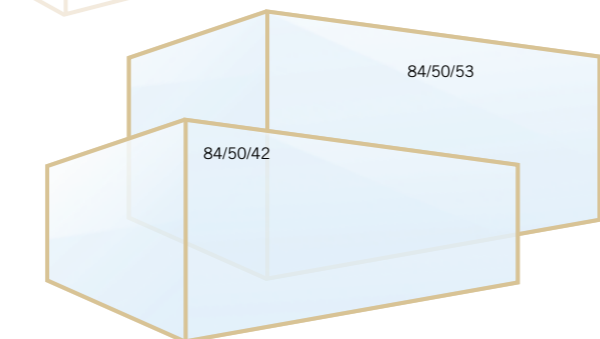
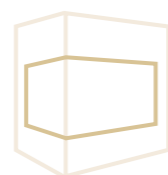




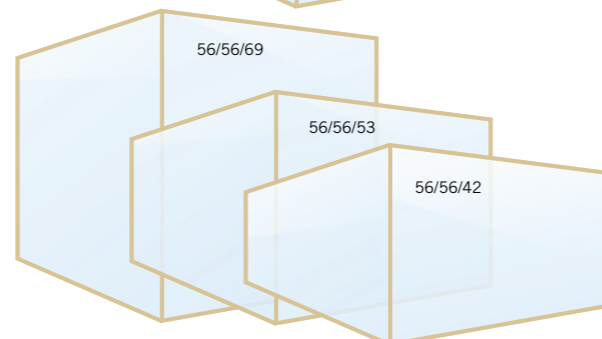
Storage Corners

Thinking outside the box. Depending on the design, there is also the option of looking at the fire from this point of view.

Model	Wood quantity max./min.	Pane Size	max. Log Length
SE09-73/46/38	9/4,5 kg	73/46/38	33 cm
SE11-56/56/42	11/5,5 kg	56/56/42	33 cm
SE11-56/56/53	11/5,5 kg	56/56/53	33 cm
SE12-73/50/42	12/6 kg	73/50/42	50 cm
SE12-73/50/53	12/6 kg	73/50/53	50 cm
SE13-84/50/42	13/6,5 kg	84/50/42	50 cm
SE13-84/50/53	13/6,5 kg	84/50/53	50 cm
SE16-56/56/69	16/8 kg	56/56/69	33 cm



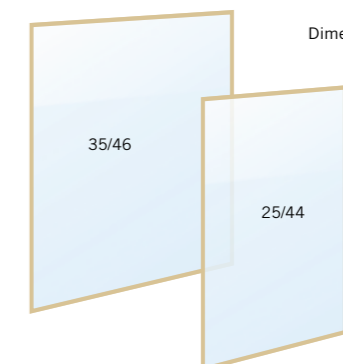
Dimensions in cm



Compact Models

There is the right ORTNER storage stove model for every need.

Model	Wood quantity max./min.	Pane Size	max. Log Length
G05-Set	5/4 kg	35/46	33 cm
G05-Set Tunnel	5/2,5 kg	35/46	33 cm
GOR44 small door	6/3 kg	25/44	25 cm
GOR44-Set small door	5/3 kg	25/44	25 cm
GOR44 big door	6/3 kg	35/46	25 cm
GOR44-Set big door	5/3 kg	35/46	25 cm
G08 lateral	8/4 kg	35/46	33 cm
G08 top	8/4 kg	35/46	33 cm
G08 Tunnel lateral	8/4 kg	35/46	33 cm
G08 Tunnel top	5/2,5 kg	35/46	33 cm



Dimensions in cm



What makes an ORTNER storage stove different.

All ORTNER storage stoves score points with their attractive exteriors. But as subjective as personal taste may be, the inner values of an ORTNER storage stove are objectively unique. But what makes an ORTNER so special?



Optimum combustion chamber

The combustion chamber lining using the masonry stove brick (GOS) system and the arrangement of GOS ventilation slots ensures an optimal mixing of the combustion gases with oxygen. The ORTNER 2200 refractory concrete's fibreless post-combustion chamber burns firewood without leaving any residue.



Patented masonry stove bricks

The multi-award-winning ORTNER masonry stove bricks (GOS) not only ensure optimum combustion in the combustion chamber, but also has a valuable storage effect thanks to its innovative material.



Sealed combustion air slide

The sealed combustion air slide is of a solid design and is driven by a special gear technology. This means the combustion air slide is permanently sealed and is of high-quality. You can literally feel the quality during operation.

Self-closing and self-locking door

For perfect comfort: The ORTNER storage stove door has a safe and practical self-closing mechanism. Thus everything stays where it belongs and you can enjoy up to 24 hours of warmth.



Doubly sealed

The double door seal ensures that no heat loss occurs and that you can enjoy the thermal radiation for as long as possible.



Double-glazing

Double-glazing's characteristic of excellent heat shielding is used as standard in every ORTNER storage stove in order to prevent excessive thermal radiation and an associated overheating of the living space.



ORTNER KMS - the hot heart of the storage stove.

There is a hot core in every
ORTNER storage stove:

The ORTNER KMS (ceramic module
accumulator system) is a high-performance
accumulator system that ensures that more
heat is stored for longer and released more
evenly. But what is the KMS's secret?



1 combustion chamber

2 KMS

The ORTNER KMS

Together with the combustion chamber 1
the KMS 2 forms the core of the stove - the ORTNER Inside. It owes its special storage properties to a special manufacturing process and selected raw materials which guarantee the best quality and efficiency. Years of research and development have made it possible.

A genuine original

The ORTNER secret recipe for a high-performance ceramic storage flue is as follows: Take high-quality and thermally conductive silicon carbide (SiC) and burn the storage mass formed in this way at temperatures of over 1,000 °C. After this process we obtain a special, extremely durable and highly efficient storage brick, the KMS.

How to heat efficiently

The more storage mass, the higher the storage capacity - a principle that characterises the storage stove. And due to the high combustion temperatures in the combustion chamber, combustion is possible with almost no harmful substances. The hot flue gases are conducted via the KMS's ceramic flues and load the accumulator with pleasant heat. And that for up to 24 hours.



You can feel the difference

In contrast to conventional fireclay flues, the high-performance ORTNER accumulator enables more efficient heat storage. Due to its solid construction, the heat is stored in the best possible way and released into the room in a controlled manner. And you can feel this difference every day for the rest of your life.

Bottom line:

The ORTNER storage stove with KMS impresses with its top efficiency, a high degree of effectiveness with the best emission values, perfect comfort, user-friendliness, and well thought-out details that make life in front of the warming fire very easy.

Fire, flame and safety.

An ORTNER storage stove is impressive not least because of its appearance. You can hear the crackling of the fire, you can see the blazing flames, and...nothing can happen, your fire is safe with ORTNER. Not least thanks to ORTNER's combustion control.

ORTNER Combustion Control (ABS)

The ORTNER ABS regulates the air supply during combustion. It calculates the optimum shut-off time for the air supply from the highest temperature and regulates it fully automatically. This ensures that embers and heat remain in the combustion chamber in an optimum fashion. Combustion doesn't take place too quickly and the storage stove is able to store a maximum amount of heat. A blackout? No problem! With ORTNER ABS, you're on the safe side. The supply air flap will then open automatically and the storage stove can be operated manually.

You're interested in what happens during combustion?

This is also indicated by the ORTNER ABS. The combustion control recognises the different phases of combustion. Among other things, the display shows the temperature and whether the door was closed correctly. In addition, with the LED version you can trace the different combustion phases, from warming-up to the embers phase, using different colours.



Design:
Glass-Display white



Design:
Glass-Display black

Visualisation of the combustion phases with LED



Green
Idle state



Blue
Door open



Orange
Warming-up phase



Red
Heating phase



Violet
Ember phase



The company.



Brand longevity

Since its foundation in 1983, the tradition-steeped ORTNER GmbH has stood for the production and further technological development of storage ovens and associated materials. Today, ORTNER employs more than forty people at the Loosdorf site near Melk in Austria and can look back on more than thirty years of company history.



Austrian quality

ORTNER says “Yes” to a greater regional focus and “Yes” to best Austrian quality. This philosophy is not only a convincing one in terms of heat technology. The company emphatically follows its own path and for the long term. Because an ORTNER storage stove from Austria is the promise that ORTNER is constantly and passionately working on. 100% Austria - enthusiastic. Not just because of our quality controls, but also because of the transparency - from raw materials to finished storage stove - and our compliance with all regulations, to a degree far above the standard.

Our performance promise

All ORTNER storage stoves are tested by accredited testing institutes in accordance with the EN 13229 standard and meet legal requirements. In addition, they have also been awarded the Austrian Environmental Label and correspond to energy efficiency class A+.

When you choose an ORTNER storage stove, you're not only choosing a storage stove that matches your wishes and ideas, but also accords with the latest guidelines and specifications. With an ORTNER storage stove, you can be sure of many years of enjoyment, warmth and well-being.



ORTNER stands for: A one-stop shop for storage stoves



Combustion chambers:

The special geometry and the high quality of the raw materials used ensure optimum combustion in all ORTNER combustion chambers.



Accumulator systems:

The ORTNER CMS (ceramic module accumulator system), together with the storage stove, forms the core of the stove - the ORTNER Inside.



Shell construction materials:

With regard to shell construction materials, there are a variety of materials in different qualities and strengths.



Mortar, adhesive, plaster:

The company's success is based on the original ORTNER bonding mortar. Today we're able to offer our stove fitters a wide range.

Our website offers an overview in the picture gallery of the many design possibilities. Every storage stove is a one-off and will be designed according to your wishes and ideas, together with your stove fitter.

Get inspired and come and have a look at
www.ortner-cc.at/der-speicherofen/speicherofen-galerie/

We're looking forward to seeing you!

Your ORTNER specialist

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