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alfer[®]
aluminium

Checker Plate Sheets, Profiles and accessories



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Dear customer,

For many years, checker plate was only found in the automotive sector and industrial applications, but that was before its wide range of uses were discovered by do-it-yourselfers and professionals. Thanks to its strength, coupled with its attractive design, it is used in the vehicle sector as protective cladding for pick-up truck loading areas and trailers, as well as in many boutiques, offices and modern homes as floor or stair coverings, corner guards, shelving, cupboard cladding and more.

To further expand this already broad range of uses and simplify usage for do-it-yourselfers, we have developed special checker plate profiles and small parts. These are available in many sizes, naturally all in original **combitech**[®] dimensions, in order to ensure the ability to infinitely combine our large range of **combitech**[®] profiles.

The product range includes extremely stable and precisely fitting checker plate angle profiles with equal and unequal members as well as U-profiles in easy to assemble lengths up to 2.50 m. All profiles are manufactured using the latest sheet-cutting equipment and precision bending presses.

The matching checker plate case corners make it possible to reinforce corners on cases, boxes, etc. while also making them look nicer. Edge protecting and sealing profiles, which match the size and look of the checker plates, round off this range.

Aluminium checker plates



Uncoated



Silver, anodised

This is just a small selection of our sheets.

The **alfer**® sheets are available in several thicknesses and colours and made from several materials. Multiple finish options are available, from practical to decorative finishes:

Checker plate, structures, perforations and grids, but also sophisticated wood or stone-effect finishes, which are more UV, water and scratch resistant than conventional coatings thanks to a highly developed production process.

Checker plate profiles



Square U-profile



Angle, equal sided



Angle, unequal sided



Angle, inner, equal sided

Tip on producing further useful checker plate profiles of your own: a square tube made from checker plate can be easily created by interleaving two square U-profiles and then riveting or screwing them together. Larger, more stable U-profiles can be created by riveting or screwing together two angle profiles. Even U-profiles with side pieces of different lengths can be used to this end. You can also create T-profiles by connecting two angle profiles.

Checker plate accessories



Case corner



Sealing profile

Case corner

The checker plate case corners precisely fit the checker plate angle profiles as an easy way to create attractive yet sturdy corner designs. They can also be used to reinforce the corners of wooden chests and make them look nicer.

Sealing profile

To create a splash-proof and vibration-dampened seal, the sheet is framed in the sealing profile. Our large **combitech**[®] range also includes precisely matching U-profiles, which the sealing profile and sheet can be inserted into.



Square U



Square U, 2 branches at 180°

Square U and square U, 2 branches at 180°

Combined with the sealing profile, you can use these profiles as an edge profile.

How it's done



Depending on how they are used, checker plates as well as checker plate profiles and case corners are riveted, screwed, welded or glued.

By additionally using silicone (from conventional cartridges) as a sealing cord between the checker plate and checker plate profiles, you make your design splash proof and reliably prevent the penetration of rain water.

The best way to cut aluminium checker plates is with a jigsaw. Checker plate profiles can be worked using a hacksaw, jigsaw or mitre saw with suitable metal blades. Further related tips can be found in our '**combitech**' sheets' folder.

For designs intended for outdoor use, use non-corrosive screws and rivets wherever possible. This will enable you to enjoy your rust-free structures for many years to come without having to maintain them. If your structure does ever get dirty, however, it can easily be cleaned with a steam cleaner or a sponge and clean water.

Ideas and possibilities

Vehicle construction

Aluminium checker plates and checker plate profiles are ideal for protective and decorative cladding on pick-up truck loading areas. Even entire trailer structures are no problem for our checker plate range – nor are tailboard height increases, tool boxes, loading ramps, or lorry and trailer wheel cases etc.

You can also use the products to protect and decorate your car's interior – and give your vehicle a sporty feel (interior door cladding, foot mats, dashboard, footboards, sills etc.).



Camping and caravanning

Checker plates, checker plate profiles and other profiles from our huge **combitech**[®] range are great for making boxes and alcove structures for campervans as well as porches and canopies to protect caravans and campervans against bad weather and sun. All in all, aluminium checker plate is the ideal material for outdoor use thanks to its exemplary properties such as being non-corrosive, lightweight, hygienic, easy to clean, lightweight, UV resistant, non-slip etc.

Ideas and possibilities

Shelves and racks

Checker plate profiles and checker plates can be used to create decorative shelves for homes or sales areas, as well as practical and timeless shelves for cellars, garages, stockrooms and storerooms.

The checker plate angle profiles and U-profiles act as vertical supports to which the shelves are screwed or riveted.

The shelf panels themselves are made from checker plate and stabilising checker plate angle profiles or U-profiles. However, they can equally be made from other kinds of sheet metal or wood. In this case, the checker plate angle profiles or U-profiles act as horizontal supports and decorative edge pieces. Case corners can be attached to the lower ends of the vertical supports as shelf feet to better distribute loads on the floor.



You can also stick conventional felt pads to the corners of the case corners to prevent it from scratching the floor.



Build yourself a practical shoe shelf in the entrance area and store away wet shoes without affecting beautiful floors or expensive carpets.

Equestrian care

Useful applications for the weather-resistant and low-wear checker plates and matching profiles can be found everywhere: Horsebox trailer cladding, non-slip horsebox flooring and loading ramps, horse transporters or bite guards for wooden structures in horses' stalls thanks to checker plate edge profiles.

Agriculture

Checker plate U-profiles provide bite protection for electricity lines and water pipes. Fodder crates can be secured against mice and rats.

Individual or particularly large feed troughs can be created. Hygienic designs in agricultural milk rooms, slaughter rooms and sales rooms. Non-slip coverings for water pipes.

Ideas and possibilities

Home, garage and garden

Need a water-tight box to store your garden furniture, a bike shed, a metal cupboard for your lawnmower and gardening tools, decorative and indestructible flower boxes to delight you for decades to come, a sandbox lid or a stable garden hose bracket etc.? What's more, do you want these to be precisely tailored to your requirements and have specific dimensions?

Or perhaps you want to protect the corner of your garage because someone constantly rams it with a bike, go-cart, wheelbarrow or other vehicle and you are fed up of the constant repairs? Simply screw our visually attractive checker plate angle profile to the corner to enjoy total peace of mind.

Aluminium checker plates and checker plate profiles are also suitable for use as decorative and protective cladding for your flooring, walls and stairs. They make it possible to easily renovate worn-out and unsafe steps using the checker plates to stand on and the checker plate angle profiles for additional edge protection. This covering is highly robust, easy to clean and extremely hypoallergenic. The benefits of aluminium checker plate as a floor covering material are particularly evident anywhere that extreme weather conditions such as cold, heat, humidity or wetness quickly push other floor coverings like wood, tiles, stone or plastic to their limits.

Just a few examples of uses:

- Optimum balcony covering as no tension cracks
- Optimum transition from indoor to outdoor areas as insensitive to moisture, non-slip and continually hygienic. For example, changing rooms in winter sports regions, sports facilities etc.
- Optimum floor covering for around swimming pools, saunas etc.
- The only floor covering to be 100% recyclable and even achieve a high scrap price upon replacement.



Notes – product ranges



Checker plate accessories – Primatech and Multitube

Sheets, plates and films can be easily edged.

The profiles for edging and stabilising the sheets are extremely practical and **alfer**® offers multiple intelligent solutions in this regard with Primatech and Multitube.

Further information about our sheets and sheet accessories can be found in our product folders.



Notes – technical diagrams

Dimensions

The dimensions indicated in this brochure are approximate values and may deviate slightly in either direction.

Product versions

We reserve the right to make modifications in the interest of technical progress and product improvement.

Warranty

As this is an abridged brochure, no liability can be accepted for either individual cases or the reproduction of the models shown.

Colours

The colours depicted may vary slightly from the original products.

Important notice

The following trademarks (®) are registered to **alfer**® aluminium Gesellschaft mbH, D-79793 Wutöschingen :

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aluvally ®	EU
clipstech ®	EU MEX
coaxis ®	EU MEX
combitech ®	EU CH MEX
ferroplatan ®	EU
logika ®	EU
verando ®	EU CH
x-star ®	EU

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alfer® hardware range



combitech® system · basis

System profiles · metric threaded rods and threaded tubes · system accessories · tool range

combitech® system · connect 23.5 mm

Connect connectors 23.5 mm · system profiles 23.5 mm · system accessories

combitech® system · model construction

Connect connectors 7.5mm · System profiles 7.5 mm · system accessories

logika® profiles · metric threaded rods · expanded metal, smooth, embossed and perforated sheets

combitech® system · sheets, plates and accessories

Plastic panels · smooth, embossed, perforated and expanded sheets ·

Prismatech · Multitube · checker plate profiles · accessories

Profiles for DIY and professional purposes

Standard profiles made from aluminium, brass, plastic, steel, stainless steel
clampline clamping aluminium profiles

Steel profiles



alfer® building material range



Tile edgings

Angle, round, quarter-circle and square tile edgings · tile edgings for steps
LED profiles · joint cover profiles and expansion joint profiles · wet sealing
profiles **clipstech**® system profiles · balcony angle · mats and accessories

Floor and room profiles

Cover and joint cover profiles · edging, level balancing, angle edging and
end profiles · step edging profiles · Edge protecting profiles · Baseboard and
buckling angles

Profiles for parquet, laminate and designer floors

clipstech®, **clipstech**®-vario, **clipstech**®-plus, **clipstech**®-mini, optifloor
and renovation System profiles and accessories · cover, level balancing,
wall edging and edging profiles · Edge profiles, drilled

verando® Decking boards

verando® combines sophisticated design and sustainability.

The weatherproof profiles, mainly made of rice husks, are more durable than
other wood or wood substitute products, they don't splint, crack or swell.



alfer® classification system range



combitech® system · logika®

The logically perforated profile range: **logika®** profiles and **logika®** accessories

combitech® system · coaxis®

The coaxial system profiles: system profiles, accessories and tools · wall and ceiling hooks

Storage range

System rails and accessories · profile hooks, clothes hooks and utensils supports · bicycle stands · shelving brackets · Furniture construction profiles and plant trolley



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