Kalzip® sets standards

Architectural highlights
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Yesterday – just a vision. Today Kalzip®.

A new architectural dimension
There are visionaries amongst our customers. We complement them with technical collaboration. The result are buildings which set the standard and lead the way in terms of shape and function.

High demands for safety and quality of construction merge into a new architectural dimension – as demanding, functional and economic as the task requires.

Aluminium is the material
Lightweight yet strong, corrosion-resistant, durable, easy to work with, can be welded and combined with other materials. It is non-flammable, conducts heat and electricity, is non-toxic, can be recycled and used again.

Kalzip® is the product
The result is something which is often exceptional and unique in its technology. We admire the creativity and far-sighted planning of our customers. We appreciate the confidence placed in us as manufacturers and reciprocate by providing corresponding products and services. It is our aim to unburden the designer, leaving him free to concentrate on what is important – the room for the essential.
The environmental friendly building envelope with a lightweight structure. That’s Kalzip®.

Lightweight structure using Kalzip®

The lightweight Kalzip® roof structure can easily bridge large spans, even with curved lines.

Kalzip® is a well-proven, environmentally friendly building system: lightweight, strong, weather-proof, can be precisely adapted and is flexible in shape. What’s more, it is ideal for combining with other building materials such as those used in the roof build-up which create what we consider indispensable, comfort and safety.

Living in harmony with nature – that is both our aim and our challenge.

Saving energy and resources by utilising re-usable building materials in lightweight structures are important factors when planning building work. Kalzip® does this very simply. Because it is lightweight, only 3-5 kg/m², the amount of material used in the supporting structure is reduced, thus saving resources.

Installing large sheets instead of layers of small components saves time. High costs on-site are replaced by more efficient industrial production techniques.

Photograph right:
You conceive the designs. We supply the protective shell.

Your imagination is our challenge

Every day, we work for innovative building shapes. So every day we rise to new challenges. The result is often more than just a building shell in the normal sense because, with Kalzip®, there are many buildings which have a strong visual impact.

A multitude of shapes and colours can be used

Kalzip® is flexible and can be adapted to suit the requirements of progressive architects, both in terms of building geometry and size. Planning details are computer-controlled and transferred to production using CAD/CAM systems. Dimensional accuracy of manufacture guarantees the maximum precision and consequently, fast, trouble-free installation.

As experienced advisers, we can give you all the support you need – right from the early planning stages.
Creativity Centre of shoe factory Rohde, Schwalmstadt (D), 1999. Kalzip® stucco embossed, factory curved incorporating 3 different radii. Architects and overall planners: Koschany, Zimmer & Assoziierte, Essen.
Attention to detail. You’ll recognise this in Kalzip®.

Kalzip® is much more than just an industrial prefabricated metal roofing system

Precision, functionality and great shapes – in regards to both detail and fixing – that’s Kalzip®.

The Kalzip® system offers proven accessories:
• For roof openings
• Complementery items for verge, ridge and eaves areas
• Translucent elements including accessories
• Soakers
• Cover strips
• Seam clips
• Specially made components, e.g. for walkways, solar equipment etc.

Kalzip® is a building system which has been continually developed over more than three decades. All components complement each other both – functionally and visually.

This allows the user to ensure that he has made the right decision.


IKEA Home furnishings (Dubai)


Kalzip® – the complete solution

Lightweight and quick to install

Durable, maintenance-free

A typical Kalzip® roof structure:

1. Kalzip® profiled sheet
2. Kalzip® aluminium ‘secret fix’ clip
3. Thermal-insulation (compressible)
4. Thermal barrier pad
5. Vapour control barrier and air-lock layer
6. Trapezoidal sheet

Kalzip® is a flexible, weather-proof, easy-to-install system made of aluminium profiled sheets and well co-ordinated accessories.

Installed using the modular design principle, Kalzip® is the complete solution for high quality shape and function – throughout the building’s entire life.

Physical construction aspects such as sound-proofing, heat-insulation and moisture-protection, as well as climatic and health requirements, are taken into consideration in the layers of the roof structure.

If produced on site the lightweight sheets can be supplied in lengths of 80 metres and more and allow a particularly fast and economical installation.

Kalzip® meets current-day requirements in a special way:

• Lightweight
• Great strength
• Resistance
• Corrosion-proof
• Practically maintenance-free
• Resistant to atmospheric effects
• Flexible shape
• Non combustible
• Can be used as lightning conductor
• Can be re usable
• High quality material
• Can be recycled
• Can be re-used, maintaining full functional quality

Lightweight and quick to install

Special aluminium clips have to be used for joining the Kalzip® profiled sheets with the substructure of the roof. They are locked into the seam and will be overlapped by the following Kalzip® element, so that the fixing elements are hidden under the roofing. This ensures that the roofing elements need not to be punctured for fastening.

The newly developed E clip even improves the as such excellent sliding properties of the Kalzip® roofing.

Durable, maintenance-free

In its standard form, Kalzip® has a stucco embossed finish with a protective plating on both sides.

This helps to make the material impervious to external influences.

Rolled on both sides, Kalzip® protective plating increases the strength and service-life of the building’s aluminium shell. Colour coating fulfills a purely visual function.

Kalzip® can be re-used, maintaining full functional quality.

The mechanical zipping of the seams produces a load bearing connection. Vapor diffusion, however, is still possible in this area enabling residual moisture to evaporate after the installation.
Kalzip AluPlusZinc® – symbiosis of two well-established, timeless materials

Kalzip AluPlusZinc® is a fine, technically demanding product manufactured by Corus Bausysteme GmbH featuring a matt zinc patinated surface. The timeless aesthetic character of the pre-zinc patina weathered opens a wide field of application for prestigious buildings – especially in cities, where integration is required and where a high quality appearance and a harmonic design are fundamental features. The patina on both sides of the profiled sheets develops its appearance under external influences – it is alive.

Kalzip AluPlusZinc® is a suitable cladding for roofs and walls of new buildings and for the refurbishment of existing structures as well.

The fusing of the two well matching materials aluminium and zinc is effected in a patented process (PEGAL). Combined with the industrial production and our strict rules of quality management this process leads to a new product setting new standards. The well-known, world-wide appreciated advantages of our aluminium building system are of course guaranteed with Kalzip AluPlusZinc® as well.

Colour finishes have become increasingly popular for Kalzip® over the last decade

You decide whether to use RAL or a special colour shade. We do the rest.

For Kalzip®, we only use high-quality, weather-proof paint systems. You can choose between a polyester- or PVdF-based paint. Ask for the Kalzip® colour chart.


Oberhausen Arena (D), 1996. Kalzip® stucco embossed and RAL 8004 Poly.
Architects: DLA-Ellerbe Becket, Wakefield (UK).
Also safe to construct.

Kalzip® truss roof construction

- Kalzip® profiled sheet
- Thermal-insulation (compressible)
- Kalzip®aluminium ‘secret fix’ clip with thermal barrier pad
- Vapour control barrier and air-lock layer
- Trapezoidal sheet
- Truss

Kalzip® purlin roof construction

- Kalzip® profiled sheet
- Thermal-insulation (compressible)
- Kalzip®aluminium ‘secret fix’ clip with thermal barrier pad
- Top hat section
- Vapour control barrier and air-lock layer
- Trapezoidal sheet
- Purlin

Kalzip® rafter roof construction

- Kalzip® profiled sheet
- Thermal-insulation (compressible)
- Kalzip®aluminium ‘secret fix’ clip with thermal barrier pad
- Timber support
- Vapour control and air-lock layer
- Wooden supporting substructure
- Rafter
A building system with no “ifs and buts”.

Kalzip® is convincing because:

It offers unlimited possibilities, high quality construction and flexibility
• As a ventilated and non-ventilated roof design, it is suitable for all roof shapes and pitches from 1.5 degrees and is suitable for all sub-structures and supporting structures.
• It is flexible and can be adapted to suit the requirements of private and public sector clients whatever the building’s basic shape, geometry or size.
• Its light weight makes it particularly suitable for renovating old roofs. Kalzip® AF and “Rockwool Prodach” insulation systems are particularly suitable for renovating corrugated asbestos roofs. Approval from the professional control board is required in each case.
• Continuous sheets can be produced in lengths of 80 m and more.
• It has a neutral colour, timeless aluminium stucco embossed finish with a discreet surface which is appreciated by knowledgeable experts.
• Available in a multitude of colours. RAL and special colours, all of high-quality and weather-proof.
• Kalzip AluPlusZinc® has a matt zinc-patinated smooth surface (PEGAL process) and excels by its high natural strength, its increased resistance against abrasion due to weathering and its fine appearance.
• It allows a wide scope of different shapes: straight, convex or concave roll-formed, crimp-curved, tapered, tapered-convex curved ... Our growing know-how of the ductility of the base metal aluminium again and again opens new design aspects.

Excellent construction qualities
• High thermal-insulation requirements can be easily fulfilled. The roof structure can be easily adapted to suit the building’s exact requirements by selecting the appropriate thickness of insulation material.
• The construction makes high-quality sound-proofing easy and simple.

Durable and economic
• Corrosion-resistant aluminium alloy.
• Increased resistance against acid rain and industrial emissions due to the protective plating on both sides.
• Non-sensitive to UV rays, resistant to micro-organisms, longlive expectancy.
• Extremely fast installation being to a large extent independent of the prevailing weather conditions – ergonomic and cost saving due to prefabricated components.

Extremely safe throughout its entire life
• Special aluminium clips have to be used for joining the Kalzip® profiled sheets with the substructure of the roof. They are locked into the seam and will be overlapped by the following Kalzip® element, so that the fixing elements are hidden under the roofing.
• The mechanical zipping of the seams produces a load bearing connection.
• Positive and negative loads will be safely absorbed.
• Vapour diffusion, however, is still possible in this area enabling residual moisture to evaporate after the installation.
• Tried and tested detailed solutions for roof penetrations as well as for joints and gable ends.
• Non-flammable. Resistant to airborne-fire and radiant heat.
• Kalzip® can act as a part of the air termination network.

Excellent ecological characteristics
• Aluminium, combined with other elements, is the third most common element in the earth’s crust and is available everywhere in nature.
• Once produced, aluminium can be recycled to provide products for generations.
• The Kalzip® roof covering can easily be re-used.
• Recycled aluminium material can be re-used again for the manufacture of other products. The aluminium’s beneficial properties remain intact.
• Only 5 % of the original manufacturing power is required for recycling.
• An insulated Kalzip® roof contributes significantly to reducing air pollution and so to preserving our environment.
Kalzip® ProDach: Kalzip® AF aluminium profiled sheets without stiffening ribs on rigid insulation.

A new generation of profiled sheets
Kalzip® AF aluminium profiled sheets were designed for roofing with a rigid insulation board or a wooden supporting substructure.

Using Kalzip® AF profiled sheets in conjunction with a load-transmitting layer of insulation simplifies installation considerably. Under the name "Prodach" insulating system, Rockwool offer a rigid, water-repellent rockwool insulation board with a special fixing system.

The insulation board is very suitable as a base for Kalzip® AF profiled sheets. It is non-flammable, highly thermally-insulating, sound absorbing, dimensionally stable, diffusible and absorbs vibration. In its top layer, the double-layer "Prorock" insulation board is extremely strong and resistant to mechanical stress. Its high load-transmitting capabilities contribute considerably to the roofing’s static function.

Kalzip® ProDach is the complete solution for high quality in shape, function and safety
Kalzip® ProDach is the combination of Kalzip® AF aluminium profiled sheets without stiffening ribs and rigid "Prorock" insulation board – optimised in both safety and long-life. Aluminium fixing rails and stainless steel self-tapping screws are included in the supply package.

Kalzip® ProDach as truss roof structure

Kalzip® ProDach as rafter roof structure
Kalzip® ProDach on a structural steel decking system as substructure

Example: Renovation of corrugated asbestos roof using Kalzip® ProDach

Kalzip® ProDach on wooden rafters with a wooden supporting substructure

Discreet surface appearance

The flat trough shape of Kalzip® AF profiled sheets produces a discreet, quietly elegant surface finish. Even small buildings can have a proportional, well constructed Kalzip® AF aluminium roof covering.

Always right and quite safe

The Kalzip® ProDach is suitable for all commonly used substructures or structures in steel, concrete and timber, for all structural engineering applications and for the renovation of old roofs. Special system fixings are manufactured for all types of substructures.

The "Prorock" insulating board offers a high degree of "walkability" during installation and maintenance. Concentrated loads are transferred to the substructure as spread load.

Installation

With the usual Kalzip® technique, the corrosion-resistant, weather-proof aluminium outer sheet is fixed using ‘secret fix’ clips, but – and this is what’s special about the Kalzip® ProDach – it is not fixed directly to the supporting structure but to an aluminium U-rail inserted in the insulation layer. The system fixings which connect the U-rail to the supporting structure only penetrate the insulating material in points. This system almost entirely eliminates sound and heat bridging.

Renovation of corrugated asbestos roofs

The Kalzip® ProDach is also suitable for renovating corrugated asbestos roofs. Various processes are possible. In each case, approval must be obtained from the professional control board. Depending on the local situation, it’s possible to dispense with the dismantling of existing corrugated asbestos roofing (see page 28).
Avant-garde architecture with compelling appearance and function.

Five ski runs lead directly into the shopping centre – Ski Dubai combines a snow paradise with one of the largest shopping paradises in the world. Thus, in the midst of the greatest heat an opportunity presents itself here to enjoy yourself on a 400 metre long ski run and then to buy a new designer handbag for your collection at home straight afterwards.

The temperature inside the 22,500 m² ski hall is kept constantly below zero degrees Celsius. Hence, the demands on the planning and construction of the double-skinned structure were high, especially with regard to the insulation. A plant floor is located between the two shells, in which the refrigeration and control equipment was installed along with the snow machines. The
main challenge for this building was to construct a one hundred percent sealed external skin in order to minimise energy losses.

A perfect made-to-measure roof was created from 60 metre long profiles formed on the spot. In three building phases they were manufactured from platforms mounted directly on the building using mobile roll forms and assembled immediately. What was also remarkable here was the cooperation with the assembly company, which worked hand-in-hand with the Kalzip® engineers. This smooth cooperation guaranteed the top quality that everyone involved in building the ‘skin’ of this demanding project had been aiming for.

The virtually unlimited design possibilities and the high functionality of the Kalzip® system combine visual perfection with technical excellence, and make a decisive contribution to the timeless elegance of modern architecture.
Lightweight, self-supporting and good sound-proofing. In this instance, $R'_w = 53$ dB(A).

Wide spans
The Oberhausen Arena is currently one of the most modern of its type in Europe. Its architecture and technical construction change a simple visit into an unforgettable experience.

The wide-span, self-supporting domed roof is covered with Kalzip® aluminium profiled sheets in lengths up to 42 m.

Excellent acoustics
The hall has a capacity of over 12,500 seats. Its technical layout enables it to be re-arranged very quickly and provides a great degree of flexibility. The acoustics are particularly important for large events. At the Oberhausen Arena, with a sound-reflection of 1.8 seconds, it is particularly remarkable that this measurement is achieved even though the hall has a very open interior design. The architects, DLA-Ellerbe Becket, produced an ambitious roof structure, using wide-span steel trusses with support-work which is visible internally.

Technical and shape constraints
- Must be as lightweight as possible because of the wide spans
- High demands for sound-proofing and acoustics
- Very flexible because of the dome shaped roof structure at the entrance

Strict acoustic requirements were met

Tests proved this before the roof was installed. The result: $R'_{w} = 53$ dB(A).

Insulating layers inside the roofing structure enabled the thermal-insulation requirements to be met easily.

The Kalzip® roof structure also fulfilled the highest economical expectations.

Kalzip® has no static problems

The Kalzip® roof covering can be precisely adapted to suit the building’s requirements by selecting the appropriate number and position of fixing points.

Lightweight Kalzip® roof structures are suitable for large buildings of all kinds: for gymnasiums, multi purpose halls, swimming pools, leisure centres, airport terminals, railway stations, office buildings, industrial and administration buildings...
Kalzip® gives long-lasting protection, even under massive corrosion attack.

Protective plating, a sure thing
The whole composting process, starting with the delivery of compost waste right up to storage of the end-product, takes place in enclosed halls. The climate in these halls is extremely aggressive; the gases, temperatures and air-humidity are extremely high. The building materials used to construct the roof and rooms must withstand massive corrosion attack. These high demands are met by Kalzip® because of its protective plating on both sides.

Through its protective plating on both sides, Kalzip® offers a particularly long-lasting resistance to corrosion.
Kalzip® is the ideal solution for the use under the effects of marine and industrial atmosphere. The material used is one of the so-called saltwater-resistant alloys. Special surface protection offers a suitable solution for use directly next to copper-works or industries which use large quantities of aggressive chemicals. Ask us and we’ll advise you.
Kalzip® is long-lasting.

Kalzip®: Over 35 years on the world’s roofs.

Over 75 million square meters of Kalzip® profiled sheets have been manufactured.

In 1968, Kalzip® was used for the Conference Centre in Nuremberg. Economic studies have confirmed it: both visually and functionally, the roof is still as good as new today.

The durability of the material is particularly impressive on the dome of Rome’s San Gioacchino Church, which was covered in aluminium in 1897. Although the aluminium used then was by no means up to modern day quality, the roof covering is still in very good condition.

Perhaps future generations will stand and wonder at a 100 year old Kalzip® roof. Certainly, at the end of its useful life, the Kalzip® aluminium roof covering with its ever-increasing material value will always sell well and be used again after recycling.

Kalzip® is non-flammable

Aluminium alloys are non-flammable and so, without proof, are building materials Class A1 according to DIN 4102.

Even with an organic coating on both sides and with insulation layers on the underside in building materials Class B2, Kalzip® is, without proof, resistant to air-borne fire and radiant heat according to DIN 4102 Part 4, Section 8.7.

Kalzip® assumes the function of a lightning conductor

When connected and earthed correctly, Kalzip® roofing can be used as a lightning receiver and lightning conductor in accordance with DIN 57 185, Part 1, Lightning Protection.
### The Kalzip® range.

**Kalzip® aluminium profiled sheets**

<table>
<thead>
<tr>
<th>Dimensions mm</th>
<th>Thickness mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kalzip® 50/333</td>
<td>1,2 1,0 0,9 0,8</td>
</tr>
<tr>
<td>Kalzip® 50/429</td>
<td>1,2 1,0 0,9 0,8</td>
</tr>
<tr>
<td>Kalzip® 65/305</td>
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<tr>
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<tr>
<td>Kalzip® 65/400</td>
<td>1,2 1,0 0,9 0,8</td>
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<tr>
<td>Kalzip® 65/500 **</td>
<td>1,2 1,0 0,9 0,8</td>
</tr>
<tr>
<td>Kalzip® AF 65/333 *)</td>
<td>1,2 1,0 0,9 0,8</td>
</tr>
<tr>
<td>Kalzip® AF 65/434 *)</td>
<td>1,2 1,0 0,9 0,8</td>
</tr>
<tr>
<td>Kalzip® AS 65/422 *)</td>
<td>1,2 1,0 0,9 0,8</td>
</tr>
</tbody>
</table>

* only when used with rigid thermal insulation or timber lining

**) recommended for facade cladding (thickness ± 0.9 mm)

There are many variations in shape for instance

- straight
- convex curved
- tapered-convex curved
- tapered
- tapered-concave curved
- concave curved
- elliptically curved
- hyperbolically curved
A special folding technique enables gable end flashing to be nicely shaped, even on curved roofs.

The Kalzip® system includes an extensive range of accessories which has grown out of demand.

Shown here are some components with durable functions.

The Kalzip® price list contains complete details.

Proven accessories complete the Kalzip® roofing system.

Walk ways are fixed to the seam using clamping sections. The roof covering is not punctured.

Folding tools make it easier to bevel the ridge of the Kalzip® profiled sheets.

Roof assemblies such as walkways, absorbers and solar systems are firmly fixed to the seam using Kalzip® clamping sections in stainless steel or aluminium. The roof covering is not punctured.

Top closure on a Kalzip® profiled sheet with a locking plate, shape-filler and bevel. Small-radius crimped curved Kalzip® as an attractive variant for a fascia.

Rooflight unit systems (PVC) are available for single-skin roofs.

Gable clip and cap to reinforce and secure the edge flange.

Snow and ice bars in aluminium are fixed to the seam of the Kalzip® profiled sheets using clamping sections. The roof covering is not punctured.

The beveling tongs for the eaves produce a uniform, functional edge line.

A special folding technique enables gable end flashing to be nicely shaped, even on curved roofs.

Vent pipes are welded into the roof covering.

Stalkers for rooflight domes or smoke extractor fans are produced to building requirement and are welded or sealed into the Kalzip® layer (depending on the requirements).
Kalzip® Solar Power Systems – The synthesis of design and function

Freedom of creativity for environmentally conscious designers and architects

Responsibility is a keyword in contemporary architecture. The creation of new buildings is a practice which benefits future generations, and today also includes the implementation of ecological value systems.

The introduction of Solar Photovoltaic (PV) into the building envelope is no longer determined by the mere functionality, but is implemented as an integral part of the building form.

The flexibility of Kalzip® roof systems provides the designer with maximum freedom of creativity; this allows optimal realisation of dedicated architectural concepts for aesthetic solar design.

The longevity of Kalzip® roof systems, together with the performance warranty on the solar laminates, make Kalzip® Solar Power Systems both profitable and in tune with the requirements of modern solar architecture.
Accident prevention regulations are compulsory for work on the roof. The Kalzip® fall-prevention system offers the necessary protection.

Kalzip® NatureRoof is the safe way of landscaping – unique in its conception and technical design

The Kalzip® Natural Roof elements are mounted direct to the profile sheets without any additional sealing measures. This combines the technical advantages of Kalzip® with the ecological requirements of a green roof.

Streamline drainage installations, joints and end pieces can be manufactured to project requirements.
Kalzip® NatureRoof® though incorporating a planted area is still considered a lightweight construction.

The Kalzip® NatureRoof® is an expansive roof greennery with minimum installation and maintenance requirements. The water retaining capacity is 50 %. Approx. 33 % of the precipitation volume returns into the ecological cycle.
The Kalzip® NatureRoof® elements are delivered to the building-site as a complete package.

The Kalzip® mounting system for a fast and safe clip-fixing on trapezoidal steel decks
• Kalzip® ‘secret fix’ clips, fitted in seconds, even on thin trapezoidal steel profiles.
• Drill/screw technique: one process for drilling and fixing.
• High strength.

This new fixing system was developed by the Swiss company SFS, the leading manufacturer of mechanical fixing systems for industrial light engineering. Together with Corus, this technique has been adapted to the Kalzip® system.

Ordinary drills are suitable for the Kalzip® drill/screw technique.

Please ask for information about Kalzip® drill/screw technique.
Hervorragend als Sanierungskonzept

Renovating with Kalzip® is more than just a facelift.

Kalzip® is ideal for renovating roofs

Its light weight, great strength, longevity, considerable installation advantages, high economics as well as good thermal-insulation and sound-proofing, make roof renovation a special field of application for Kalzip®.

Whether sloping shallow or steep, the existing roof covering does in most cases not have to be removed. Also roofstructures need generally not be reinforced.

During installation, the building can continue to be used in the normal way, usually without any interruption.

The Kalzip® system is suitable for renovating all types of roofs.

Bitumenous felt and membrane roofs, with and without gravel ballast and even corrugated asbestos roofs can be quickly, safely and above all, economically renovated using Kalzip®.

Visual aspects and unusual shapes can be accommodated.
Long-lasting increase in value

In many cases, the corrosion-resistant material and its ability to withstand the effects of the environment endorse Kalzip® as the ideal system for renovation.

A new Kalzip® outer shell offers a building long-lasting protection. In addition, the renovation clearly enhances the building visually.

Savings on thermal-insulation and sound-proofing are very positive, not only for the building’s users:

- The costs of operating and maintaining the building are clearly reduced.
- Increasing environmental demands are met.
- The building as a whole increases in value.
We can produce Kalzip® anywhere in the world.

On-site production

Transportable Kalzip® profiling and bending machines can be used anywhere in the world – particularly where it is economically and ecologically sensible. Relieving traffic congestion and finding the best route from the point of manufacture to the point of use, as well as providing a lightweight construction method, are very important considerations today.
Produktiv auch vor Ort
Partner of the environment.

Once produced, aluminium is at our disposal for evermore, thus saving resources

Aluminium, combined with other elements, is the third most common element in the earth’s crust and is available everywhere in nature.

From the initial material, recycling over and over again produces valuable new aluminium products.

Up to 95% of the power used to produce aluminium can be saved when it is re-smelted. The smelting process can be repeated as often as required. Aluminium’s beneficial material properties remain intact.

The product characteristics of the Kalzip® system meet high ecological demands.

The lightweight construction of Kalzip® enables a resource-saving reduction in the amount of materials used to create the supporting structure.

An insulated Kalzip® building contributes significantly to reducing air pollution and preserving our environment.

After a long service-life, Kalzip® can be continually re-used.

Ecology and economy complement each other. The circle is complete.