Layher Protective Systems

Complete range

Quality management certified according to DIN EN ISO 9001:2000 by TÜV-CERT


Layher®

More Possibilities. The Scaffolding System.
Layher protective systems
Well covered for all situations
65 years of innovations for you

1945  Founding of the company by Wilhelm Layher
1948  Production of scaffolding ladders
1953  First ladders made of steel tubes
1958  “Rohr-Express” rolling towers
1965  SpeedyScaf System
1974  Allround Scaffolding System

1984  Cassette Roof System
1985  Podium system PO 64 and grandstand system TR 79

1998  Protect System
1999  Keder Roof System
2001  Euro Speedy assembly frames
2002  Event System EV 100 and EV 104
2004  FIPRO Deck

2006  Lightweight Cassette Roof System
2007  STAR Frame
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The lightweight and universal roof system

With the Layher Keder Roof System you can easily and quickly construct an especially lightweight and economical roof to provide protection from the weather for the most diverse applications. That is why this system is frequently utilised for roof refurbishment, adding extra storeys, bridge and road construction sites, or events – they are lightweight and optically attractive.

Your Benefit

- **High cost effectiveness**
  Because of the small number of building elements for the trusses and bracing, the investment costs for the roof system remain at a very low level in comparison to the achievable income.

- **Fast assembly**
  The assembly of the Layher Keder Roof System is particularly easy and fast because only a few different components are needed, and bracing is only required in every fifth field of the trusses.

- **Universal applications**
  The very high-quality appearance of the Layher Keder Roof System permits a wide variety of uses outside of the traditional domain of construction. For example, it can even be used to cover stages or grandstands.

- **One system – two designs**
  The Keder Roof System can be assembled as either a shed or gable roof so that the proper building form for every situation can be implemented.

- **Full compatibility**
  Of course, the Layher Keder Roof System is fully compatible to the SpeedyScaf and Allround Scaffolding systems and is a useful addition to the Layher’s modular scaffolding.
Refurbishment of motorways and bridges

In order to conduct necessary refurbishment of motorways and bridges, the lightweight and flexible Keder Roof System from Layher can be of assistance. A particular advantage comes from the Keder roof’s structural flexibility, which even enables curved road sections to be covered without difficulty.

Renovation of historic buildings

The extremely low weight of the entire roof structure also allows usage in areas where no high loads can be introduced. This is why the Layher Keder Roof System is so commonly utilised for the renovation of historical buildings.

Canopies for events

The roof system’s beautiful and high-quality look is a reason why it is often employed for covering stages and grandstands at events. And by the way: due to the low weight of the components, assembly is easily accomplished by hand. The use of a crane is also possible, of course. This allows the entire roof to already be put together on the ground, which makes assembly even easier and quicker.

Roof refurbishment and adding storeys

The traditional applications for any temporary, weather-protective roof are roof refurbishment or adding extra storeys to buildings. For the delivery of material supplies to the site, either a roof tarpaulin can be removed, or you can go with the mobile Keder Roof System variant.
**The Layher Keder Roof System**

Clever in the details

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**The basic components of the trusses**

- **5971.150** Lattice beam 1.50 m
- **5971.300** Lattice beam 3.00 m
- **5972.150** Mono-pitch roof lattice beam
  - only required for shed roofs
- **5971.110** Ridge section
  - only required for gable roofs
- **5971.100** Eaves section
  - to close the ends of Keder roofs

---

**Bracing elements**

- **5974.207** Stiffener 2.07 x 0.50 m
  - for 2.07 m truss spacing
- **5971.257** Stiffener 2.57 x 0.50 m
  - for 2.57 m truss spacing
- **5971.299** Diagonal braces 2.56 m,
  - for 2.07 m bay size
- **5971.297** Diagonal braces 2.97 m,
  - for 2.57 m bay size
- **5971.207** Ledger 2.07 m,
  - for 2.07 m bay size
- **5972.257** Ledger 2.57 m,
  - for 2.57 m bay size

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**Roof support**

- **5971.120** Support 0.73 m
- **5971.130** Support 1.09 m
- **5971.180** Support with spigot
  - for the assembly onto Allround standards
  - without spigots

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**The Keder Hall System**

- **5971.160** Bending-resistant corner
  - for Keder Halls
- **5971.170** Wall element
  - to increase the height of the sides
  - below the bending-resistant corner
The Layher Keder Roof System
Assembly and technical data

Assembly of the supports
Assembly of the first truss
Bracing in the first bay
Ledgers in the other bays
Insertion of the Keder tarpaulin
Pulling up the Keder tarpaulin

Technical data and typical designs

Gable roof design, roof pitch 20° (11° as special version possible), max. snow load 0.25 kN/m² as per DIN 1055-5:

<table>
<thead>
<tr>
<th>Model</th>
<th>Span</th>
<th>Truss external dimension</th>
<th>Eaves section</th>
<th>Ridge section</th>
<th>Lattice beam 1.50 m</th>
<th>Lattice beam 2.13 m</th>
<th>Lattice beam 3.00 m</th>
<th>Roof tarpaulin</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>6.10 m</td>
<td>7.15 m</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>11.00 m</td>
</tr>
<tr>
<td>II</td>
<td>9.00 m</td>
<td>10.00 m</td>
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<td>1</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>14.00 m</td>
</tr>
<tr>
<td>III</td>
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<td>1</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>20.00 m</td>
</tr>
<tr>
<td>V</td>
<td>18.00 m</td>
<td>19.60 m</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>4</td>
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</tr>
</tbody>
</table>

Shed roof design, roof pitch 15° – 20°, max. snow load 0.25 kN/m² as per DIN 1055-5:

<table>
<thead>
<tr>
<th>Model</th>
<th>Span</th>
<th>Truss external dimension</th>
<th>Eaves section</th>
<th>Mono-pitch roof lattice beam</th>
<th>Lattice beam 1.50 m</th>
<th>Lattice beam 3.00 m</th>
<th>Roof tarpaulin</th>
</tr>
</thead>
<tbody>
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<td>5.60 m</td>
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<td>1</td>
<td>0</td>
<td>0</td>
<td>11.00 m</td>
</tr>
<tr>
<td>II</td>
<td>5.90 m</td>
<td>7.10 m</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>14.00 m</td>
</tr>
<tr>
<td>III</td>
<td>7.50 m</td>
<td>8.60 m</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>17.00 m</td>
</tr>
<tr>
<td>IV</td>
<td>8.90 m</td>
<td>10.10 m</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
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<td>2</td>
<td>24.00 m</td>
</tr>
<tr>
<td>VI</td>
<td>11.90 m</td>
<td>13.10 m</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>17.00 m</td>
</tr>
<tr>
<td>VII</td>
<td>13.50 m</td>
<td>14.60 m</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>20.00 m</td>
</tr>
<tr>
<td>VIII</td>
<td>15.10 m</td>
<td>16.10 m</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>24.00 m</td>
</tr>
</tbody>
</table>
The feather-light cassette roof system for the highest standards

The Layher Lightweight Cassette Roof is a very lightweight, attractive roof system, which can be assembled mainly toolless. Because of the low weight of the parts, also larger roof surfaces can be assembled without a crane.

Your Benefit

▷ **High cost effectiveness**
  Many components, such as the lattice beams, can be used for other applications so that the investment is quickly paid back to you. The lightweight cassette roof is compatible with all Layher scaffolding systems.

▷ **Fast assembly**
  The low weight of components allows for fast, safe, and easy handling. The components are made primarily of aluminium. With Layher’s proven snap-on claws and insert connections, the assembly is nearly tool free.

▷ **Low total weight**
  With a weight of just 13 kg/m² including lattice trusses and bracing elements, this roof system is convincing in all aspects.

▷ **Distinctive appearance**
  The translucent roof cassettes permit work in daylight conditions – regardless of the weather – while also providing a visual impression of lightness.

▷ **Absolute safety**
  The PVC covering of the roof cassettes is resistant to penetration by falling persons in accordance with GS Bau 18 (certificate number BAU 07015). Additionally, it has low inflammability, is hailproof, impervious to many chemicals, and naturally UV and light resistant.
Mobile Roofs

With only few additional components the Layher lightweight cassette roof can be made mobile. The mobile roof can then be moved section by section to match the building progress, thus making it unnecessary to cover the entire construction site. Further details about this can be found on page 18.

Roofing for event technology

Because of its attractive appearance, the roof is suitable not only for construction sites, but is also ideal for covering event structures such as exhibition stands or technology towers.

Temporary warehouses

The translucent lightweight cassettes are very well suited for roofing temporary warehouses.

Roof refurbishment and adding storeys

Construction work is preferable under daylight. The translucent lightweight cassettes make this possible, and that even with weather protection. Even in those cases when no crane is available, whether due to financial or space reasons, the lightweight cassette roof can be easily assembled by hand. When a crane can be used, the roof can be assembled in segments on the ground and then lifted into place.
The Layher Lightweight Cassette Roof System
Clever in the details

Fastening elements and cover plates
- 5938.014 Clamping shell, complete WS 19
- 5938.015 Clamping shell, complete WS 22
- 5938.003 Rapid clamp for lightweight cassettes
- 5942.078 Gable truss covering 0.78 m
- 5942.228 Gable truss covering 2.28 m
- 5943.078 Standard truss covering 0.78 m
- 5943.228 Standard truss covering 2.28 m (not shown)

Bracing elements
- 5940.257 Stiffener with claws, horizontal
- 5972.257 Ledger 2.57 m
- 5939.100 Horizontal diagonal brace 2.87 m for post spacing 1.00 m
- 5939.125 Horizontal diagonal brace 2.97 m for post spacing 1.25 m
- 5939.200 Horizontal diagonal brace 3.37 m for post spacing 2.00 m
- 5939.225 Horizontal diagonal brace 3.53 m for post spacing 2.25 m

The basic components of the trusses
- 5938.004 Ridge section 750 11°
- 4903.425 Lattice beam 750 4.25 m
- 4903.525 Lattice beam 750 5.25 m
- 4903.625 Lattice beam 750 6.25 m
- 4903.725 Lattice beam 750 7.25 m (not shown)
- 4922.000 Lattice beam spigot
- 4905.065 Lattice beam bolt 12 x 65
- 4905.000 Safety clip 2.8 mm (none of these shown)

The roof surface
- 5936.050 Lightweight cassette, aluminium / PVC 0.50 m
- 5936.100 Lightweight cassette, aluminium / PVC 1.00 m
- 5936.000 Lightweight cassette with access hatch 1.00 m
- 5937.075 Channel section, clampable, aluminium 0.75 m
- 5937.100 Channel section, clampable, aluminium 1.00 m
- 5937.125 Channel section, clampable, aluminium 1.25 m
- 5937.200 Channel section, clampable, aluminium 2.00 m
- 5937.400 Channel section, clampable, aluminium 4.00 m

None of these shown.
The Layher Lightweight Cassette Roof System
Assembly and technical data

The following shows the assembly steps without a crane. The roof can also be completely assembled with a crane.

Assembly of the first truss
Assembly of the other trusses
Bracing in the first bay
Ledgers in the other bays
Assembly of the eaves guardrail support
Assembly of the roof cassettes

Technical data and typical designs

Gable roof design, roof pitch 11°, max. snow load dependent upon span as per instructions for assembly and use

<table>
<thead>
<tr>
<th>Model</th>
<th>Span (m)</th>
<th>External dimensions (m)</th>
<th>Tie length (m)</th>
<th>Lattice beam 4.25 m</th>
<th>Lattice beam 5.25 m</th>
<th>Lattice beam 6.25 m</th>
<th>Lattice beam 7.25 m</th>
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<tbody>
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<td>4</td>
<td>0</td>
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</tr>
</tbody>
</table>

If dead weights and snow loads are crucial for the stability of the roof structure, variant 1 is recommended, while variant 2 must be used if lifting loads (wind loads) are crucial. On this page the assembly of variant 1 is shown graphically. The assembly sequence for variant 2 is identical.
Your Benefit

- **Solid and persuasive technology**
  The Layher cassette roof is extremely robust and designed for frequent assembly and disassembly. The design of the elements has been proven itself countless times on challenging building sites.

- **Extreme spans**
  For a snow load of 0.75 kN/m², spans up to 23.2 m can be covered with a single tie – for a reduced snow load of 0.25 kN/m², as much as 27.1 m. Larger spans are possible through additional structural measures such as corner bracing or corner struts.

- **Very simple material supply**
  To permit material supply to the site, the Layher cassette roof can be opened at any location by simply removing one or more roof cassettes by hand. Specially designed handles facilitate this process even more.

- **Outstanding safety**
  With the innovative and practical rope safety system, you are excellently protected during both assembly and dismantling. You have the highest safety as well as very good mobility.

- **System-independent**
  The cassette roof can be assembled on almost all standard scaffolding systems without problem. As a supporting structure no custom solutions are required!
The Layher Cassette Roof System
Extremely versatile to use

Major events

The Layher Cassette Roof System is also very frequently used for large-scale stage roofing.
In addition to the large spans, the cassette roof is also characterised by its high load-bearing capacity.

Roof refurbishment and adding storeys

The Layher cassette roof system is an extremely robust and very cost-effective option to provide temporary covering for roof refurbishments and storey additions.
Especially for larger spans, to this time-tested system there are no alternatives.

Refurbishment of motorways and bridges

Compared to tarpaulin-based roof systems, the cassette roof system is also ideal in places more strongly affected by wind suction.
That is why this system is also preferable for use on motorways and railroad lines.

Temporary hall construction

In combination with wall coverings made from Keder tarpaulins or Protect system, it is possible to build complete halls with the Layher Cassette Roof System.
The assembly of the individual bays takes place easily and quickly on the ground, and entire truss bays can then afterwards be brought into the desired position by crane.
**The Layher Cassette Roof System**
Clever in the details

**The basic components of the trusses**
- 5902.200 Roof beams 2.00 x 1.00 m
- 5902.300 Roof beams 3.00 x 1.00 m
- 5901.000 Ridge supports 4.30 x 1.00 m / 1.50 m
- 5917.000 Tie, end piece
- 5918.400 Tie, 4.0 m
- 5918.600 Tie, 6.0 m

**Bracing elements**
- 5907.000 Beam stiffener 2.57 m
- 2504.257 Tubular stiffener 2.57 m

**The roof surface**
- 5909.100 Roof cassette, corrugated metal 1.00 m
- 5909.200 Roof cassette, corrugated metal 2.00 m
- 5910.200 Roof cassette with access hatch 2.00 m
  Corrugated metal
- 5911.000 Ridge cassette, corrugated metal 1.40 x 2.57 m
- 5930.200 Light cassette, corrugated plastic 2.00 m

**Fastening elements and roof supports**
- 5915.000 Roof support 0.73 m / 1.09 m
- 5913.000 Wedge for roof support
  2 pieces required per roof support
- 5905.000 Safety clip 4 mm
- 5914.000 Clamping plate for fixing cassette
- 5913.001 Wedge for fixing cassette
- 5904.000 Bolt, 30 x 61 mm
Technical data and typical designs

Gable roof design, roof pitch 11°, max. snow load dependent upon span as per instructions for assembly and use

<table>
<thead>
<tr>
<th>Model</th>
<th>Outer span</th>
<th>External dimensions</th>
<th>Tie</th>
<th>Roof beams 2.00 m</th>
<th>Roof beams 3.00 m</th>
<th>Ridge support 4.30 m</th>
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<td>0.75 kg/m²</td>
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<td>1</td>
<td>0.75 kg/m²</td>
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<td>6</td>
<td>4</td>
<td>1</td>
<td>0.25 kg/m²</td>
</tr>
</tbody>
</table>

Remark: As a rule, instructions for assembly and use should always be followed!
The economical expansion of Layher Roof Systems

Whether on a rapidly advancing construction site or under cramped conditions, you can get Layher’s protective roofs rolling to where the action is with only a few extra components.

Your Benefit

- The mobile roof can be moved section by section to match the construction progress and only covers the area being worked on at the time. That makes it unnecessary to build a protective roof over the entire site.
- Slight variations in the alignment of the rails can be compensated with a transverse adjustment on the trolley.
- The bay width of the roof is independent from the bay widths of the support scaffolding – giving you much more flexibility when assembling.
- For example, openings can be achieved by simply sliding the roof apart.
- The individual bays of the roof can be set down at a certain location with the crane, joined together, and then moved to its final destination.
Mobile Roofs
The highest level of flexibility and economy

- 5941.300 Rail, 3.0 m
- 5938.016 Adapter for rail
- 5938.018 Roof support 11° rigid, 0.73 m for the lightweight cassette roof
- 0721.891 Roof support 20° rigid, 0.73 m for the Keder roof

- 5938.017 Trolley with lift-off preventer
- 5938.019 Connector for trolley

- 4700.019 Double coupler WS 19
- 4700.022 Double coupler WS 22
- 4905.065 Lattice girder bolt, diam. 11 x 65 mm
- 4905.000 Safety clip, 2.8 mm
- 4922.000 Lattice beam connector T4, diam. 38 mm
- 4000.001 Locking pin, red
The Layher Protect System

The economical cladding system

The Layher Protect System responsibly meets the special requirements for environmental, noise, and weather protection. Due to its dust-proof design, the system is suitable for asbestos removal, façade cladding, and sandblasting work. Its good insulating characteristics also makes the system appropriate for temporary noise barriers at demolition and renovation sites, as well as at large events.

Your Benefit

► **Universal**
The Protect System is compatible with all available scaffolding systems: in standard dimensions with Layher Allround and SpeedyScaf equipment, in custom dimensions with metric scaffolding systems.

► **Fast**
The logic of the assembly sequence ensures that it is accomplished easily, quickly, and with absolute safety. The wall cassettes are assembled from the scaffolding, with several of them able to share the same holder.

► **Versatile**
The Layher Protect System’s applications are as varied as the daily challenges in the scaffolding construction trade. This enables the investment in the system to be paid back much more quickly than expected.

► **Watertight**
In contrast to conventional tarpaulins, the Layher Protect System lets you achieve truly watertight construction sites. This also reduces the noise and dust pollution significantly – an advantage which opens up opportunities to new projects.

► **Innovative**
With a few accessories such as lighting or door elements, areas like staircases or site access can be completed in a way which is innovative, safe, and of high quality.
Asbestos clearance and general dust protection

Due to the fully surrounding rubber seal, the Protect cassettes are highly dustproof, allowing a vacuum to be created for asbestos clearance work so that contamination of the immediate environment is hindered. Particularly in regards to interior renovations, the tightness of the seal is a distinctive advantage of the system, making it often used for refurbishment of churches.

Repair of industrial plants

In order to best protect demanding refurbishment work of industrial plants from wind and weather, the Layher Protect System is far better than any tarpaulin as a covering for the scaffolding construction. Where tarpaulins, depending upon the weather conditions, must often be changed frequently over the course of the work, the Protect System can remain the entire time.

Noise-protection measures for construction sites and events

The standard Protect cassette already achieves a guaranteed noise reduction of about 20 dB(A). With an additional sound insulation mat even 26 dB(A) can be reached, which corresponds to a noise reduction of up to 75 %. These measures are often required in inner cities and at events, and only the Layher Protect System makes them possible.

Event technology

The Layher Protect System stands out because of its attractive look at numerous events. In addition to the standard cassettes there are also light cassettes, real glass cassettes, and door elements available, enabling you to create with little effort a high-quality looking construction.
The Layher Protect System
Clever in the details

The wall elements
- 5980.xxx Wall cassette
  in sizes from 0.73 m to 3.07 m
- 5981.xxx Light cassette
  in sizes from 0.73 m to 3.07 m
- 5983.xxx Connection rail
  in sizes from 0.73 m to 3.07 m

The corner elements
- 5985.010 Corner cassette 90°, outer corners
- 5985.011 Connection rail 90°
- 5985.040 Corner cassette 90°, inner corners

The cassette holder
- 5986.011 SpeedyScaf holder for wall cassette
- 5986.021 SpeedyScaf corner holder
  for wall and corner cassette
- 5986.031 Allround holder for wall cassette
- 5986.041 Ledger holder with half-coupler

Light door element
- 0714.194 Light door element 2.57 x 2.00 m
  available in various designs ex works
- 07xx.xxx Real glass cassette, ESG safety glass
  from 0.73 m to 3.07 m
- 07xx.xxx Sound-proofing cassette, −26 dB(A)
  from 0.73 m to 3.07 m
The Layher Protect System
Assembly and technical data

- Assembly on Allround scaffolding
- Assembly on SpeedyScaf scaffolding
- Use of the holder with wedge head
- Use of the holder with half-coupler

Technical data and typical designs

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Weight of wall cassette</th>
<th>Weight of light cassette</th>
</tr>
</thead>
<tbody>
<tr>
<td>598x.073</td>
<td>0.73 x 1.00 m</td>
<td>7.70 kg</td>
</tr>
<tr>
<td>598x.109</td>
<td>1.09 x 1.00 m</td>
<td>10.50 kg</td>
</tr>
<tr>
<td>598x.157</td>
<td>1.57 x 1.00 m</td>
<td>14.30 kg</td>
</tr>
<tr>
<td>598x.207</td>
<td>2.07 x 1.00 m</td>
<td>18.20 kg</td>
</tr>
<tr>
<td>598x.257</td>
<td>2.57 x 1.00 m</td>
<td>22.20 kg</td>
</tr>
<tr>
<td>598x.307</td>
<td>3.07 x 1.00 m</td>
<td>27.20 kg</td>
</tr>
</tbody>
</table>

Average weight/m² for cassette length 2.57 m
- 8.64 kg/m²
- 5.02 kg/m²

- Sound-insulation value of 20 dB(A) for the standard cassette as certified by the Fraunhofer Institute for Building Physics in Stuttgart
- Sound-insulation value of 26 dB(A) for the standard cassette as certified by the Fraunhofer Institute for Building Physics in Stuttgart
- Alternatively, on request: execution per ZTV-Lsw 88:1988 and evaluation per DB directive 800.2001
Layher’s Keder Rail System is a weather protection system for scaffolding comprising aluminium Keder Rails 2000 and ready-made Keder tarpaulins.

It forms a continuous covering of the scaffolding surfaces to a level above the eaves of the building to be enclosed and is thus an almost watertight and dustproof enclosure. The aluminium Keder rails are connected with rail holders and grooved bolts to the scaffolding construction.

The wind loads that the weather protection system for scaffolding has to transmit must be calculated and verified in accordance with DIN EN 12810/12811. The spacing of the rail holders is max. 1.0 m. Transmission of the forces must be structurally verified.

Structural strength verifications are available for Layher scaffolding.

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**Keder rails and Keder tarpaulins**

**Keder rails and Keder bends**

- 4201.xxx Keder Rail 2000 in lengths from 1.30 m to 4.00 m
- 4205.001 Aluminium Keder bend 2000 eaves, 79°
- 4205.002 Aluminium Keder bend 2000 ridge, 11°
- 4205.003 Keder bend 2000 flexible, 0.60 m
- 4201.000 Rail holder with half-coupler 19 WS
- 4201.001 Rail holder with wedge head
- 4202.000 Joint mounting for scaffolding cover
- 4203.000 Height adjuster for scaffolding cover

**Keder tarpaulins**

- 6227.207 Keder tarpaulin 2.07 x 4.00 m
- 6227.257 Keder tarpaulin 2.57 x 4.00 m
- 6227.307 Keder tarpaulin 3.07 x 4.00 m
- 6228.207 Keder tarpaulin 2.07 x 10.00 m
- 6228.257 Keder tarpaulin 2.57 x 10.00 m
- 6228.307 Keder tarpaulin 3.07 x 10.00 m
- 6229.100 Keder trim 10.00 x 0.30 m
- 6217.000 T-tie
  
  For connecting the tarpaulins to one another
To protect passers-by and traffic during spraying and other dirt-creating site work, tarpaulins and nets are used to cover the façade scaffolding. Layher scaffolding tarpaulins and nets meet the requirements of DIN 4420-1. Compliance with design parameters prevents objects falling from the scaffolding level.

B1 tarpaulins belong to building material class B1 and have low inflammability as per DIN 4102.

Scaffolding tarpaulins are made of lattice-reinforced, UV-stabilized PE with axially welded eyelet bands (eyelet spacing 10 cm).

Scaffolding nets are made of highly tear-resistant, UV-stabilized netting with narrow-spaced webbing and pressed eyelet bands (eyelet spacing 10 cm).

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### Description

To protect passers-by and traffic during spraying and other dirt-creating site work, tarpaulins and nets are used to cover the façade scaffolding.

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According to German BGV C22 regulations, equipment to prevent falls by personnel must be provided for work areas and walkways where the height of the fall is more than 2.0 m.
The simplicity of planning the scaffolding and roof construction saves time and ensures safety.

The material lists can be used as freight lists so that no component is missed at the construction site.

The plans can be printed out and assist in carrying out the scaffolding construction on the site.

Construction plans and material lists can be printed directly from LayPLAN or sent as a PDF file. The material lists can be edited with the Material Manager and then printed.

For more detailed modifications it is possible to export the drawing files to Autodesk AutoCAD®. The individual components are displayed here as blocks, which allows the project to be quickly and easily modified.

Initial licenses
- 6345.200 LayPLAN SpeedyScaf System
- 6345.400 LayPLAN Allround Scaffolding System
- 6345.600 LayPLAN Roof System Expansion Module
- 6345.500 LayPLAN Allround Scaffolding System, SpeedyScaf system and roof systems

Follow-up licences
- 6345.201 LayPLAN SpeedyScaf System
- 6345.401 LayPLAN Allround Scaffolding System
- 6345.601 LayPLAN Roof System Expansion Module
- 6345.501 LayPLAN Allround Scaffolding System, SpeedyScaf system and roof systems

Expansions for the roof systems
- Keder Roof System
- Lightweight cassette roof system
- Cassette roof system

Beginning immediately, the programs LayPLAN SpeedyScaf and LayPLAN Allround Scaffolding now also optionally include the planning tools for the different Layher roof systems.

After entering the required parameters, such as roof form, span, length of the roof, roof height, and snow load, the LayPLAN software automatically calculates the desired roof according to the structural requirements.
Layher – Your dependable partner – with more than 60 years of experience. “Made by Layher” means “Made in Germany”. The Layher product range: Top Quality – all from the same people.