

MEAMAX® Lightwell System



MEAMAX®
The expression
of innovation.



www.mea-group.com



Maximum planning certainty, flexibility and cost effectiveness.

It has never been more economical to introduce brightness and an inviting atmosphere into basement rooms:

MEAMAX® is the ideal lightwell system for buildings that are used either privately, commercially or publicly.

MEAMAX® unites every beneficial feature that characterises the MEA range of building system products: planning certainty, enduring and enhanced functionality and quality – but above all, exceedingly simple installation.

MEAMAX®, in conjunction with MEA window systems, simply introduces more light and appeal into all basement rooms.

An incomparable product

What do lightwells need to withstand? High groundwater? Passenger cars? And to what depth do they need to be fitted? Questions that can often only be answered during installation – and, consequently, also reveal the disadvantages of conventional lightwells. Parts that don't fit, additional accessories that need to be purchased, and a total disallowance of even the smallest tolerances during installation.

This is where MEAMAX® comes in. A system suitable for every type of installation: it can take the weight of passenger cars, it is impermeable to high groundwater when fitted, and is also adjustable in height.

Fitting is simpler than ever, saving you considerable time and money during purchasing and installation.

MEAMAX® manages to completely satisfy the requirements of standard building projects with only 5 basic size options. The advantages: planning, pre-sales information and storage are all simplified; making the product more efficient all round.

Tried and tested quality

Aside from innovations – MEAMAX® has everything that has always set MEA lightwells apart from the beginning: rugged body components made of weather-resistant, glass-fibre reinforced plastic, high quality gratings and a design that enhances light reflection.

Our quality management system – certified to DIN ISO 9001 – ensures that MEAMAX® also benefits from MEA's tried and tested product quality.

MEAMAX® lightwells are also certified to RAL guidelines and accordingly bear the RAL quality mark which guarantees quality, flexibility, planning certainty and cost-effectiveness.





The MEAMAX® Lightwell System.

It's as simple as this: select, position and adjust, bolt tight

The many innovative detail solutions in the MEAMAX® system has simplified and, in some cases, completely eliminated many of the installation steps associated with lightwells able to sustain foot and car traffic.

MEAMAX® – Simple grating securement

Insert the grating, snap into position. Secured!

MEAMAX® – Rapid attachment

Bolt lightwell on at base. Set the upper fastening points, adjust height and secure with integral clamp.

MEAMAX® – Precise height adjustment during installation

Pull out the top by up to 25 cm to the required height, secure without any additional drilling using the integral clamp, bolt on.

MEAMAX® – Height adjustment after installation

Loosen fastening bolt, re-position top and secure with the integral clamp.

MEAMAX® – Additional height increase

The installation height can be increased by up to 35 cm at a time with the use of intermediate elements.

MEAMAX® – Attachment to perimeter insulation

The same principle as for basic installation, however with different fasteners. MEA offers suitable accessories for different insulation thicknesses.

MEAMAX® – Watertight to groundwater

Can be used without reinforcement or complicated installation kits when groundwater is present. Simply drill additional holes, apply sealant, then affix directly to the concrete wall. Watertight to pressurised groundwater up to the top of base element. Guaranteed!

MEAMAX® – Passenger car traffic over lightwells

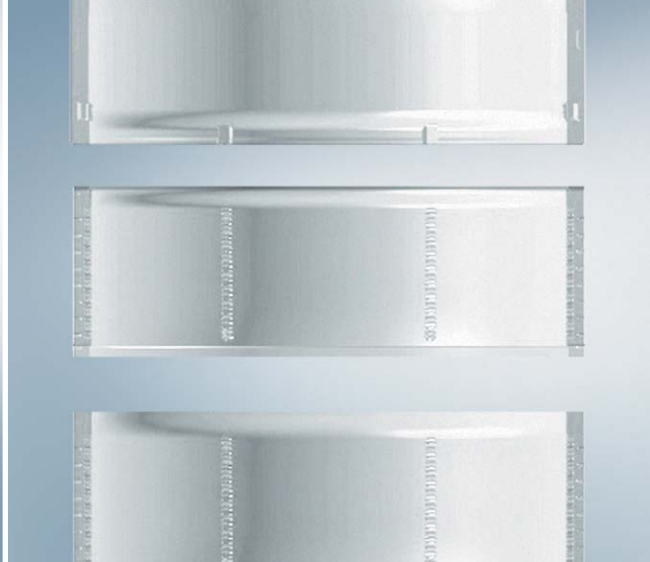
The standard MEAMAX® installation will also withstand the weight of passenger cars. Only the grating needs to be exchanged.





Further flexibility with intermediate element.

| MEAMAX® | Benefits to you |
|---|--|
| 30 minutes* | Time and cost reductions |
| 35 minutes* | Time and cost reductions, v. simple installation |
| Minimal storage space needed, high product availability | Cost savings, mistake prevention, space savings, fast-moving items |
| Small range, 5 models for all applications, 3 intermediate elements | Clarity, cost-effectiveness, flexibility |
| Every model satisfies all requirements, incl. passenger car traffic with appropriate grating. Also impermeable to pressurised groundwater up to top of base element | Reduced options and costs, planning certainty |
| Additional designer gratings, alternative materials, powder coating | Creative freedom, new colours |
| Snap in – finished | Time savings, enhanced functionality |
| Allows fine adjustment and post-installation height readjustment | Time savings, planning certainty |
| Integrated top, no additional drilling | Reduced labour time |
| Reduced | |



Basic element with top

Intermediate element MEAMAX®

MEAMAX® – base element with top Intermediate element

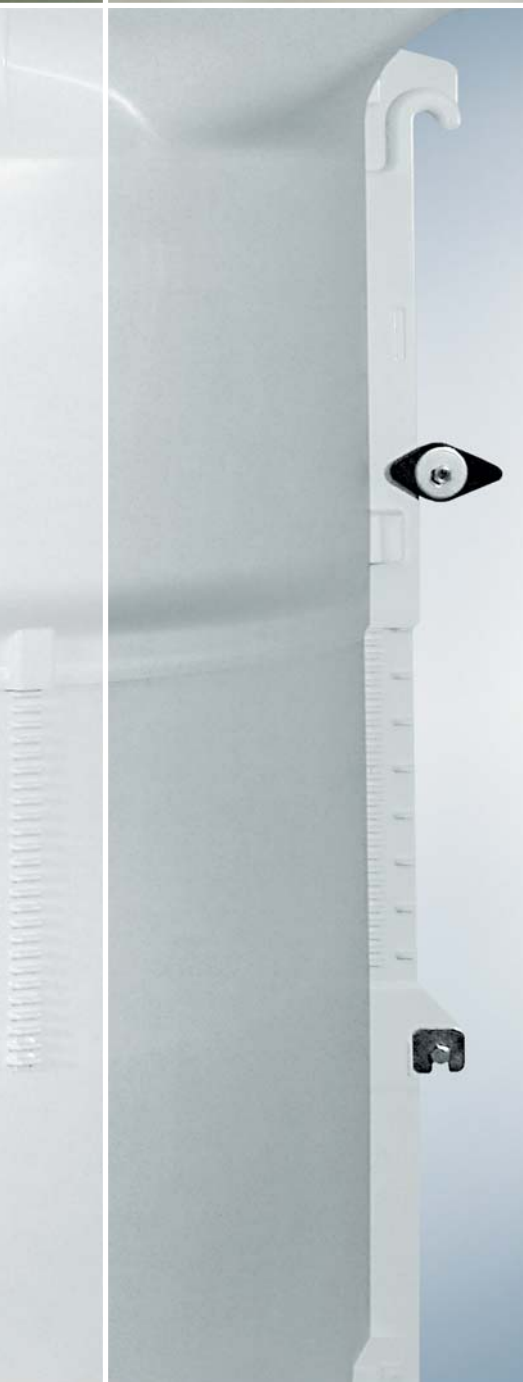
Lightwell sizes: Base elements with pre-mounted tops

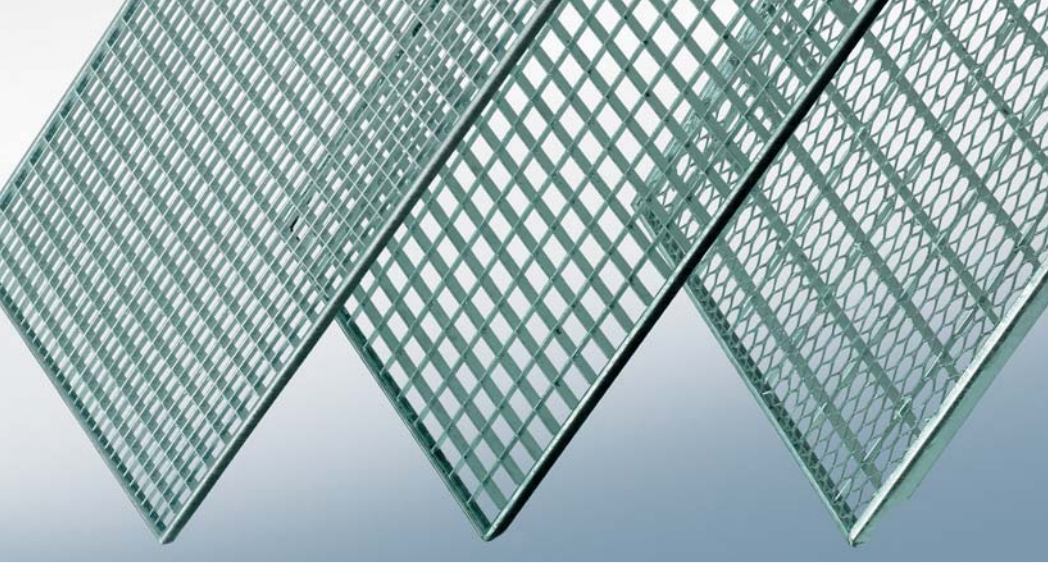
| Base element with top | Size in cm W x H x D | Height adjustment scope, lightwell / top | Max. height with one intermediate element | Max. height with two intermediate elements |
|-----------------------|-------------------------|---|--|---|
| MEAMAX® 86 | 80 x 60 x 40 | 60 – 85 cm | 120 cm | 155 cm |
| MEAMAX® 106 | 100 x 60 x 40 | 60 – 85 cm | 120 cm | 155 cm |
| MEAMAX® 1010 | 100 x 100 x 40 | 100 – 125 cm | 160 cm | 195 cm |
| MEAMAX® 100125 | 100 x 125 x 40 | 125 – 150 cm | 185 cm | 220 cm |
| MEAMAX® 125100 | 125 x 100 x 40 | 100 – 125 cm | 160 cm | 195 cm |

Intermediate element

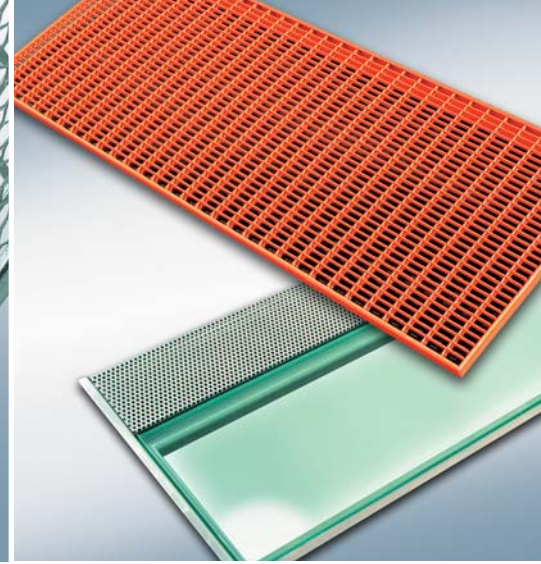
| | Size in cm W x H x D | Additional installation height with one intermediate element |
|--------------------------|-------------------------|---|
| Intermediate element 80 | 80 x 37 x 40 | 35 cm |
| Intermediate element 100 | 100 x 37 x 40 | 35 cm |
| Intermediate element 125 | 125 x 37 x 40 | 35 cm |

All MEAMAX® lightwells can sustain the weight of passenger cars if they are properly equipped with a suitable grating and, when fitted appropriately, remain impermeable to groundwater under pressure up to the top of the base element. Further they can also be used with perimeter insulation.





MEAMAX® Grating types – mesh 30/10, mesh 30/30, expanded metal



MEAMAX® Designer gratings

System accessories: Gratings, ancillary parts and options.

Gratings

Made of galvanised steel, available in four styles for all sizes.

Designer gratings

Gratings are also available in stainless steel and with impact-resistant powder coatings in different RAL colours.

Lightwell covers

Protection against leaves and dirt.

Stainless steel strip

Enhanced looks and protection for lightwell edges

Grating securement

The grating securement system is integrated in the lightwell upper edging. The grating is secure after being snapped into position.

Fastening sets

Different fastening sets are available for

- standard / passenger car installations
- watertightness to pressurised ground water
- insulated walls

Drainage connection

Available in various designs for drainage from the base of the lightwell.



Standard fastening set



We have the solution!

MEA building systems is a leading European supplier of lightwells, windows, frame windows, drainage systems, door-scrappers, gratings and running gears.

We support architects, planners, builders' merchants and installers with our innovative systems, personal service and punctual deliveries.

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