

HERADESIGN® Application, Handling and Accessories

Durability of HERADESIGN® acoustic tiles

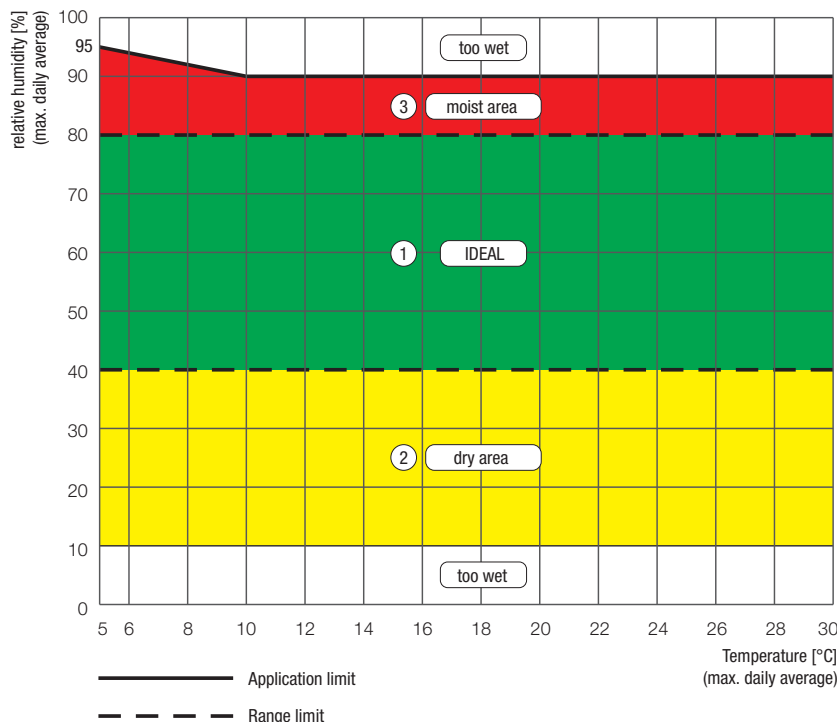
Medium, Attack	Comments
1) Water and water vapour	Not resistant to direct, long-term effects of water (rain, condensation moisture from ground, capillary action). This results in the tiles swelling as well as reduced mechanical stability and efflorescence of magnesium sulphate. Likewise, permanent exposure to water vapour (rel. humidity > 90%) leads to swelling and a reduction of mechanical stability.
2) Organic solvents * (e.g. acetone, alcohol, ether, petrol, benzene, halogenated hydrocarbons, oils, etc.)	Contact with organic solvents in liquid form (local exposures - spots) causes them to be partly absorbed by the tile and released as vapour. No adverse effects to the mechanical stability of the tiles have been observed (except for flammability after exposure to flammable solvents, as well as dirtying of the visible surface). Solvent vapours in concentrations that are allowed by hygienic regulations for the workplace have no effect on the building biological properties of the magnesite bonded Heradesign acoustic tiles according to findings so far.
3) Acids and alkalis	a) Acids: magnesite bonded HERADESIGN® acoustic tiles are not resistant to the direct effects of acids. Depending on the concentration and strength of the acid, direct contact to an acid will cause localised dissolving of the bonding agent in the tile. Generally, harmless salts are formed (partly with a severe reaction). In some cases acid vapours occur, which are within the workplace hygienic regulations (e.g. common in chemical laboratories or similar facilities), and which do not damage the products. b) Alkalis: the effect of alkalis on the tiles causes the bonding agent to soften and is comparable to the effects of water.
4) Colours	The surface of magnesite bonded HERADESIGN® acoustic tiles can be treated with commercial colours based on polyvinyl acetate or acrylates, silicates, distempers, etc. The type of existing paint must be taken into consideration.

*) Questions about applications regarding contact with specific solvents/solvent mixtures or exposure to high concentrations of solvents must be discussed individually with Knauf AMF technical customer service.

Application areas of HERADESIGN® acoustic tiles

In internal areas

HERADESIGN® superfine, HERADESIGN® fine, HERADESIGN® macro, HERADESIGN® micro, HERADESIGN® plano
HERADESIGN® superfine A2, HERADESIGN® fine A2,



- ① Ideal, all constructions and products
- ② Dry range, all products. The installation humidity of the tiles must be lower than 20 % of the weight
- ③ Humid range, exposure class B according to EN 13964. Only specific constructions and products. Colouring with outdoor silicate paint or paint with additives – constructional consultation required

Transport and storage

Transport

HERADESIGN® acoustic tiles are delivered on pallets with a protective cardboard cover. They may only be transported in closed trucks or containers and must be protected against moisture during the entire journey. Only stack a maximum of two pallets. Pallets and boxes must be secured against tipping, slipping and physical damage.

Receiving material

HERADESIGN® acoustic tiles are produced, checked and transported to the construction site with great care.

When receiving material, always check the delivery note:

- Number of package units (paletts, cartons, m²)
- Compare the contents of the package units with the delivery note and the labels on the packaging
- Accessories:
Plugs, screws, re-touch paint, profiles or other items
- Are the goods or parts damaged?

If there are any transport damages, insufficient quantities, or other discrepancies with the delivery note and bill of lading, have this certified by the driver. Also, immediately inform the dealer that shipped the goods. Damaged tiles must not be used.

Storing tiles

The installer is responsible for the correct storage of the goods on-site and for the transport of the goods to the installation point.

How to do this correctly:

- Tiles must be stored flat and stable in a dry, clean, swept-out room to protect them from moisture, soiling and dust.
- The existing packaging provides no protection against rain.
- Only stack a maximum of two pallets of HERADESIGN® acoustic tiles (max. height. 250 cm) on top of each other.
- Only store the tiles in rooms where the following conditions are ensured depending on the climate conditions of the designated installation site.

For subsequent installation in heated or air-conditioned rooms: max. relative air humidity of 75% and the temperature must not drop below +7°C or rise above +30°C. For unheated rooms such as underground car parks, etc. the following applies: max. relative air humidity of 85% and minimum temperature of +5°C.



Processing

A masterpiece of workmanship

HERADESIGN® acoustic tiles are high-quality visual tiles that are carefully packed and checked and delivered to the construction site. The second important factor for a beautiful ceiling, however, is exact processing and suitable work conditions. This is because only careful work and high product quality ensure a satisfactory result.

Material and air humidity

Due to the organic component of wood, in the HERADESIGN® tiles, slight deviations in the size cannot be excluded. Likewise, the tiles also contract and expand if there is strongly fluctuating air humidity.

- Final shrinkage in a standard climate of 23°C / 50% RH. is max. ± 1‰ for length changes and max. 3‰ for width changes. Therefore, special attention must be given to the temperature and air humidity during installation (if necessary heat, ventilate, back-ventilate the ceiling or dehumidify the air under constant monitoring) in order to ensure constant installation conditions. Adjust the installation conditions to the future conditions of use. Production tolerance for the nominal dimensions is ± 1 mm; for lengths over 1250 mm ± 2 mm.

Colour and texture

As a consequence of the natural raw materials of magnesite and wood, differences to the colour and structure may occur. Especially for white coloured acoustic panels, there may be changes to the degree of brightness due to the wood wool structure as well as due to the influence of light sources and the viewpoint of the observer. Only the same type of tiles may be installed in a ceiling. Therefore, constantly check the tiles before installation as well as the overall impression of the ceiling from the floor. The installation direction must be observed for square panels. This is identified by an arrow on the reverse side of tiles. Always install with the arrow in the same direction. Coloured tiles (except RAL 9010) can only be ordered on commission. No liability can be assumed for colour deviations in the event of partial deliveries or deviations from the colour chart.

Paint quality

Silicate paint based on potassium silicate and organic bonding agents is used for colouring HERADESIGN® acoustic tiles in white, pastel and solid colours. The building biology properties of the tiles are retained as a result. HERADESIGN® superfine, HERADESIGN® fine, HERADESIGN® fine A2 and HERADESIGN® superfine A2 can also be coloured multiple times without losing the outstanding sound absorption properties.

Installation and system conditions:

- The installation of HERADESIGN® tiles is part of interior decorating and must only be carried out under controlled humidity and temperature conditions. All dust-causing construction measures must be completed before starting the installation.
- It must no longer be possible for moisture or rain water to penetrate through walls, ceilings and openings.
- Only install tiles in rooms where the following conditions are ensured: For heated or air-conditioned rooms, the maximum relative humidity must not exceed 75 % and the temperature not below + 7 °C or above 30 °C. For unheated rooms such as underground car parks etc. the following applies: max. relative humidity 85 % and minimum temperature + 5 °C.
- The climatic installation conditions must be similar to the future use conditions. If storage and delivery conditions differ from the installation conditions HERADESIGN® acoustic tiles should be acclimatised for at least 7 days in a room with the same conditions.
- Suitable installation conditions are:
 - Dry and clean rooms
 - At least two weeks after wet trades are complete
 - Installed and glazed windows and doors for controlling temperature and ventilation.
 - Max. installation humidity of the HERADESIGN® acoustic tiles, less than 20% weight.
- Before starting installation, check the underlying surface for loadbearing capacity.
- The suspension system must be installed in accordance with the manufacturer's guidelines and according to DIN 19168 "lightweight ceiling linings and suspended ceilings" as well as according to EN 13964 "suspended ceilings – requirements and test methods".
- Evenness: the greatest deviation from the evenness of the substructure may only be a maximum of 2 mm per metre of length; however, it must not exceed 5 mm over a length of 5.0 m. DIN-EN 13964, section A.5.
- Ensure the installation direction of square tiles. The installation directions are marked on the reverse side with a printed arrow.
- After installing HERADESIGN® acoustic tiles, other tradesmen may only perform finishing work on the ceiling.
- Expansion joints: For large ceiling areas that are installed with screw mounting in a covered outside area or in rooms with highly fluctuating high air humidity (rel. air hum. > 80%), we recommend placing an expansion joint at least every 15 m. The expansion joint must be formed between the substructure and the HERADESIGN® acoustic tile. When connecting these ceilings to fixed limiting structural elements, care must also be given to sufficient expansion possibilities. Here, the free edge distance should be at least 10 mm.
- Vibrating elements: suspended ceilings with insertion or screw mounting in which angularly flexible hangers are fastened to structures that tend to have vibrations such as trapezoidal sheet metal roofs, steel or wooden beams/trusses, must be secured by hangers placed on an angle (at least 10% of them) to counter horizontal displacement. For screw installation, at least three screws must be used per tile width and support.

- Resistance to wind loads:

If it is to be expected that suspended ceilings in a covered external area or in the inside of a building will be subject to wind loads (e.g. by open windows, doors), then the appropriate measures must be taken to ensure that the top layer and the substructure can withstand suction and/or wind pressure loads.

- Maximum tile span: 625 mm.
- Film as trickle protection for mineral wool overlays is recommended. A PE film upto 30 µm thick does not affect the sound absorption of the absorber and is recommended as trickle protection for mineral wool overlays.

Post-processing:

- For cutting HERADESIGN® wood wool tiles on site we recommend using a fast running circular saw with a carbide tipped saw blade (diameter approx. 400 mm) and dust extraction. Bevels can be reformed using a saw blade set on an angle, by sanding with coarse sand paper or by using a belt sander. Cut the tiles so that the visual surfaces are not dirtied by saw dust!
- If possible the work should be carried out outdoors. Always work with clean hands and clean tools.
- The cutting must not be done using the stack of panels as a base.
- Carefully cover minor damages and screw heads, edges and tile surfaces with paint after installation. Only apply a small amount of paint to avoid colour differences.
- Installations with cross joints (four tile corners in one point) are very time-consuming.
- Increased care needs to be taken installing tiles with square edges and no bevel.

Please note:

- The occupational health and safety guidelines must be observed.
- Observe the manufacturer's safety instructions for use of the tools and always wear personal protective equipment such as safety goggles, helmet, etc.



Subsequent painting of HERADESIGN® acoustic tiles

For subsequent painting of HERADESIGN® acoustic tiles, there is a distinction between painting or re-painting the tiles and improvement of surface damage as well as unevenness and refreshing paint. For factory painted HERADESIGN® wood wool tiles, dispersion paint is used. Only paints can be used that are suitable for the ambient conditions and compatible with the existing paint.

For the following applications, the following quantities are recommended:

1) Internal applications upto 80% rel. air humidity:

For all internal applications, dispersion paint tested for harmful substances is recommended.

2) Internal applications for rooms with 80 to 90% rel. air humidity such as indoor swimming pools etc.:

Paint with external paint or internal paint with an additional film preservative

3) Covered external applications:

Generally, a silicon or acrylic based facade paint is used.

Recommended quantities:

- **White paint on a white surface (restoration)**
Quantity: approx. 0.20 l/m², one coat
- **Restoring other colours with the same colour (except white):**
Quantity: approx. 0.20 – 0.25 l/m², one coat
- **Painting or changing colours of wood wool tiles:**
Bold or contrasting colours may require increased quantities
Quantity: approx. 0.25 – 0.30 l/m² per coat, min. two coats
- **Small area repair of metallic colours:**
Recommended product: Sto Color Metallic

Protective measures for bordering surfaces, floors, etc.

Bordering surfaces, windows, floors, etc. must be covered. Water can be used to clean surfaces that have been dirtied with paint, while they are still wet. Dried paint can only be removed with a paint stripper and that may cause damage to the underlying surface.

Safety:

Follow the information regarding protective measures in the safety data sheets from the paint manufacturer. If necessary, protect your head, eyes, respiratory system and skin by wearing protective masks, goggles, gloves and work clothing.

Types of application:

a) Painting or changing colours of wood wool tiles:

In order to achieve sufficiently deep penetration of the paint in the wood wool texture, the paint must be applied with an airless sprayer. The paint should be applied in at least two different directions and at varying angles to the tile surface so that the colour penetrates all pores and openings. When applying two coats, the first coat must be dry before the second coat is applied.

b) Refreshing paint and improving paint deviations:

For refreshing paint, improving paint deviations and painting the fibres, a short-pile roller can be used for small areas or for the same or very similar colours. Well suited are for example:

- Glaze or varnish rollers with max. pile depth 13 mm (e.g.: Microfibre rollers 13 mm, glaze rollers 10 mm, etc.)
- Flock rollers

c) Improving damaged or uneven surfaces:

To even out gloss differences in the same colour tones, foam rollers (paint rollers) are suitable.

d) Painting screw heads and improving slight damage to the surface e.g. single fibre breaks):

The screws and individual fibres can be covered with a fine brush. Avoid double painting the tile surface.

e) Painting bevels:

The paint can be applied with a short-pile paint roller (as described in **point b**), a brush or HERADESIGN® paint spray (only in white and natural). Avoid double painting the tile surface.

Note:

Always apply only the recommended quantities. Too much paint causes excessive moisture to be added and can cause the tiles to warp and swell as well as causing a reduction of the sound absorption of the tiles. Up to 3 proper paint applications (quantity and application) of HERADESIGN® superfine and HERADESIGN® fine, leads to no significant decrease in sound absorption.

The application of the paint and the coverage must be checked constantly from the floor. The manufacturers' regulations and instruction manuals must be observed when working with the paint and operating the equipment.

For application variants **b**) and **c**) a paint roller grid should be used to ensure the paint is evenly distributed on the roller. To avoid clogging the wood wool texture, only light pressure should be applied to the tile. The application should be done cross-wise. It is recommended to test the colour first (hidden tile or sample tile). Deep penetration of the paint in the texture, as necessary when changing the colour of the tile, is only possible with an airless spray application.

Bending HERADESIGN® acoustic tiles

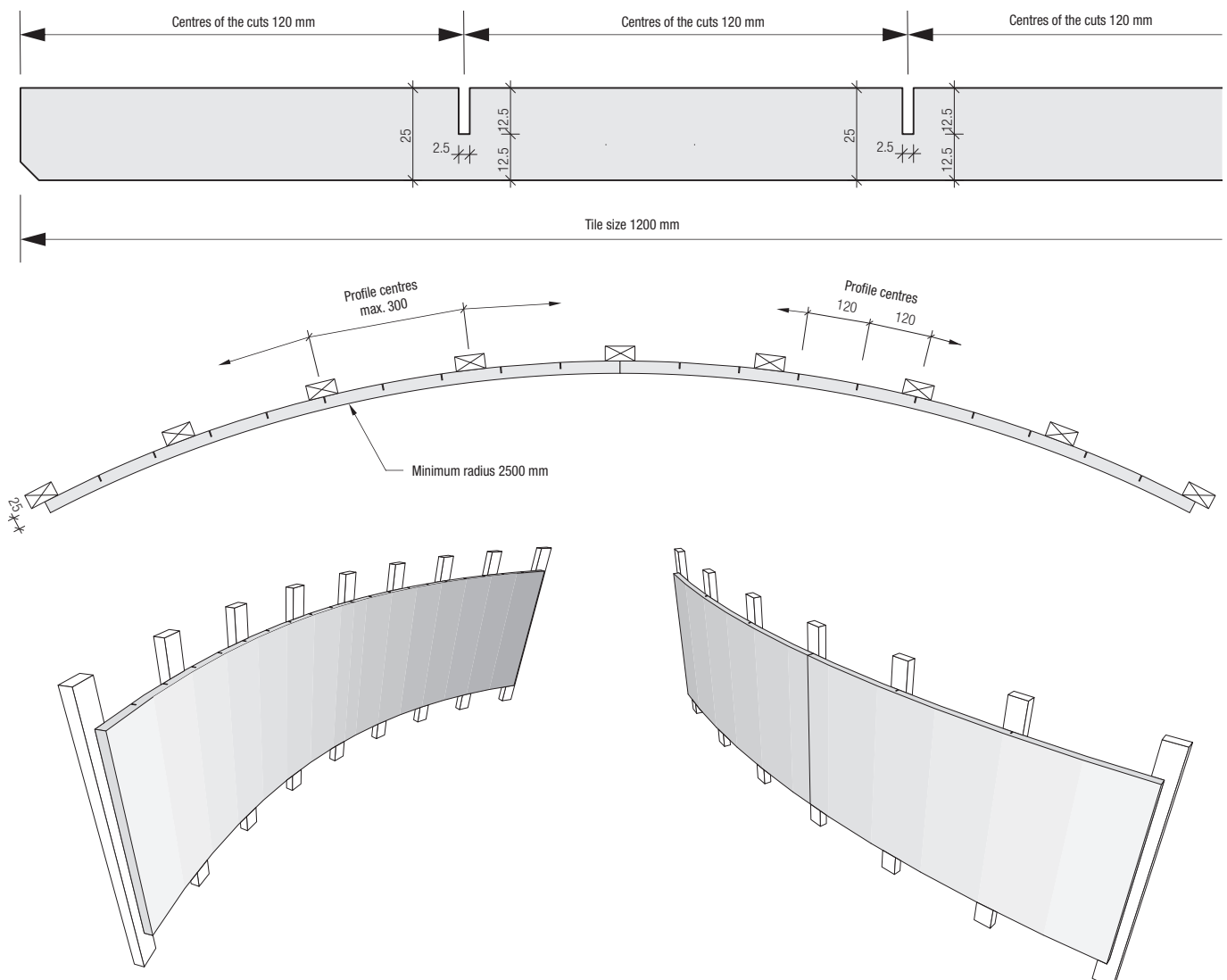
Curved constructions with HERADESIGN® acoustic tiles

HERADESIGN® acoustic tiles can be well adjusted to curved substructures on site. For this, the tiles are cut into on the back by means of a saw (e.g. circular saw) and curved over a template or grid structure.

They are fixed to the wooden substructure by means of HERADESIGN® screws. Per support and tile width (600 mm or 625 mm) at least three HERADESIGN® screws, head diameter approx. 9 mm, must be used. HERADESIGN® micro and HERADESIGN® plano acoustic tiles cannot be bent. Tiles must not be moistened for bending!

HERADESIGN® fine, HERADESIGN® superfine					
Tile thickness [mm]	Radius [m]	Centres of the cuts [mm]	Cut depth [mm]	Cut width pcs./ carton	Support centres [mm]
25	> 20	-	-	-	600
	> 10	-	-	-	600
	> 5	400	10	3	400
	> 2,5	120	12.5	3	300
35	> 20	-	-	-	600
	> 10	400	10	3	600
	> 5	300	15	3	400

HERADESIGN® acoustic tile 25 mm, bending radius 2500 mm



Fixing additional loads to HERADESIGN® acoustic tiles

Additional loads e.g. light fixtures, curtain rails and similar, can be fixed to wood wool tiles using cavity plugs, spring toggle raw plugs or self-tapping metal plugs, as long as no fire protection requirements are present.

Heavy loads must be fixed directly to the load-bearing elements (soffit) or a secondary construction installed.

The additional loads have to be considered when designing the grid structure.

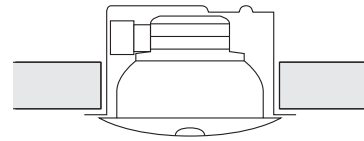
The grid structure centres are determined by the selected acoustic ceiling system, the weight of the grid structure and the additional loads.

Individual point loads in HERADESIGN® acoustic tiles

Maximum additional weight [kg] when fixing directly to HERADESIGN® acoustic tiles, in the middle of the tile				
Tile thickness [mm]	Metal spring toggle raw plug	Metal self-tapping plug	Metal cavity plug	Cavity anchor
	15	1	1	1
25	3	3	3	2
35	6	3	3	2

Integrated spotlights in HERADESIGN® acoustic tiles

Maximum additional weight [kg] from spotlights in HERADESIGN® acoustic tiles		
Tile thickness [mm]	Diameter of aperture DA [mm]	Integrated - spotlights
15	max. 300	1
25	max. 300	3
35	max. 300	6

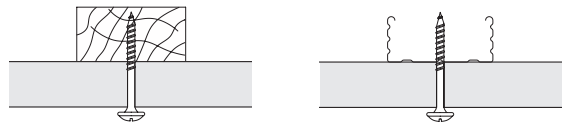


Apertures should be centred in the tile. Higher weighted lighting must be anchored in the ceiling or suspension construction.

Maximum permitted temperature of the Heradesign acoustic tiles ≤ 60 °C

Single point loads on the grid structure

Individual loads, directly fixed to the grid structure, may not exceed a total of 0.1 kN per profile/wooden batten and linear metre.



General installation guidelines



Carefully remove the separating paper layer from the tiles and dispose of it immediately. Dust lying on it must not fall onto the tile below.



Check tile for damage. Remove any remaining dust with a soft brush.



When lifting the acoustic tiles from the pile, only carry them on the edges. When lifting tiles from the pile, never drag them over the edge of the pile, in order to prevent damage to the visual side.



Never lean the acoustic tiles on an angle against the wall during installation and subsequent painting. This causes the tiles to warp – warped tiles can no longer be installed.



Installing the first row of tiles: always start installing from the centre of the room, which has been pre-marked. Align the tiles exactly in both directions.



Insert the screws or acoustic tiles with the help of a batten. Make sure that there is enough space at the end of the tile to prevent the edge from displacing. Make sure the screw head is flush to the surface of the tile. The auxiliary batten is removed after installing the first row of tiles. Screw pattern, see chapter "screw-fix systems" B10 or B20.

Edges and screws



Creating the edge bevel

The bevel is formed with coarse sand paper, a belt sander or a saw blade set on an angle.



When necessary, remove adherent dust with a soft brush.



Painting the bevel

Use a brush or a thin paint roller to apply the paint.



Not like this! The screw head must be flush with the surface of the tile.



To set the screws exactly, we recommend, HERADESIGN® bit holder "easy". The screw depth should be tested/set on a sample tile before installation.



Painting over the screw heads

Use a fine brush to cover unpainted screw heads with the colour of the tiles after installation. It is absolutely necessary to avoid double painting of the tile surface around the screw head. This will cause colour differences!

Cutting and drilling HERADESIGN® acoustic tiles



Table saw
Lay the acoustic tile down face side up. Always work with a safety guard, guide and an extraction system.



Jack saw
Lay the acoustic tile down face side up. Always work with a guide. Support the free end of the tile.



Circular saw
Lay the acoustic tile down face side down. Always work with a guide and an extraction system. Support the free end of the tile.



Not like this!
Never cut acoustic tiles on a pile!



Jigsaw
Lay the acoustic tile face side down. Always make cuts with a guide.



Cutting openings with a "supercutter"
Only cut at a right angle to the tile surface.

Touching-up HERADESIGN® acoustic tiles



Dangling fibres:
Carefully remove individual loose fibres with a knife.



Chipped fibre:
Cover chipped fibre with a fine brush or a spray gun using the supplied paint or an equivalent.



Brushing:
Efflorescence, dust, etc. can be removed with a soft brush. Set loose fibres with StoPrim Plex primer.



Painting or re-painting:
The paint is sprayed on carefully with a spray gun using various spraying angles.

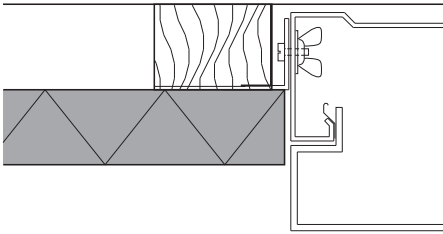


Touching-up small imperfections of HERADESIGN® micro or HERADESIGN® plano acoustic tiles:
Fill the imperfection/chipped edge with acrylate or wood filler, scrape off the excess with a trowel and cover with the same paint as the tile when it's dry.

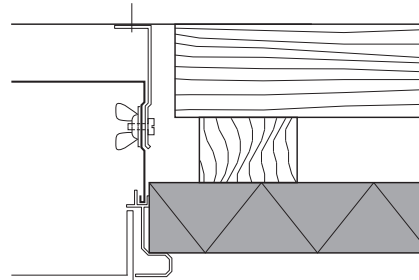


HERADESIGN® micro acoustic tile joints can be filled using Knauf acrylic sealer and can be painted over with silicate paint.

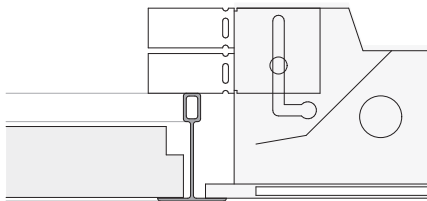
Lighting installation details



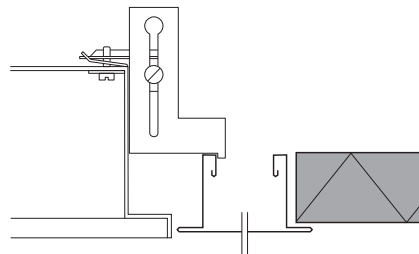
Wooden battens



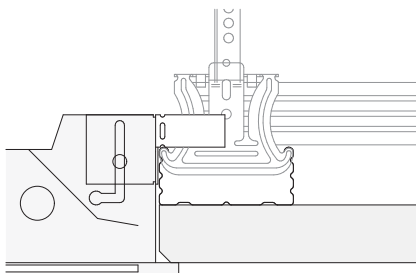
Installation outside the module



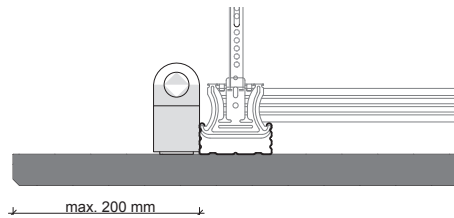
Exposed T-profile



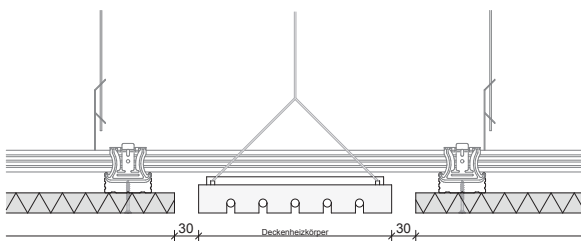
Bandrastrer construction



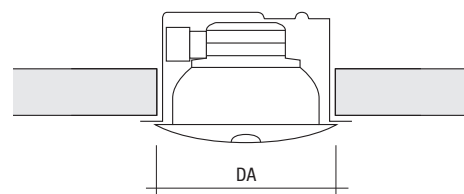
Light installation CD-profile



Indirect lighting (perimeter) CD-profile



Ceiling heating element
Maximum permitted temperature of the Heradesign tile: 60°C

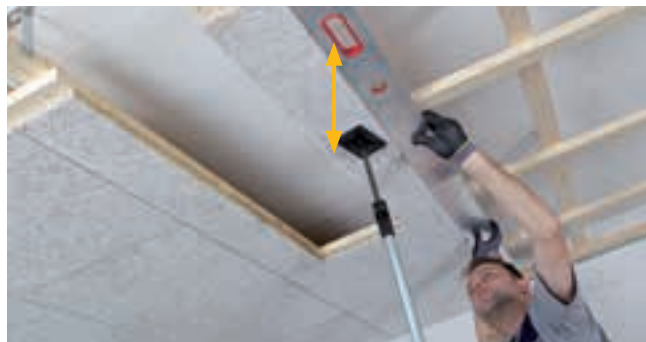


Spotlight and downlight

Installation photos – light installation



Exchanging the ceiling grid for the installation of modular lighting: Additional cross profiles and hangers required in the area of the exchange.



Installation of edge strip



Hang the ceiling light. Fix with the supplied side wings to the T-profiles, CD profiles or wooden battens. Adjust the installation height of the light to the existing suspension height.



Alternative: Fix the ceiling light using screws into the wood battens or SD profiles at the sides or direct attachment into the ceiling.



Installed modular light. The tile joint is covered by the frame.



The joint between the Heradesign acoustic tile and the light is covered by the frame.

Installation photos - spotlights and downlights



Drilling of a round aperture for a spotlight, with tile face side up.



Cutting out an aperture with a jigsaw, tile face side down.



Cover cut edges with paint if these are not concealed by a cover.



Insertion of the spotlight housing.



Spotlights with a diameter up to = 300 mm
 tile thickness from 15 mm, max. weight ≤ 1.0 kg
 Spotlights with a diameter up to = 300 mm
 tile thickness from 25 mm, max. weight ≤ 3.0 kg
 Downlights with a diameter up to = 300 mm
 tile thickness from 35 mm, max. weight ≤ 6.0 kg

HERADESIGN® Accessories

Installation of ball impact resistant HERADESIGN® maintenance opening

Sizes [mm]	For tile sizes [mm]	For tile thickness [mm]	Packaging unit [pcs./carton]
400 x 400	600 x 600, 625 x 625	25	1
400 x 400	600 x 600, 625 x 625	35	1
400 x 600	1200 x 600, 1250 x 625	25	1
400 x 600	1200 x 600, 1250 x 625	35	1

Maintenance opening installed centrally in a 1 layer Heradesign acoustic tile.
 Note: Not suitable for indoor swimming pools or external applications.

Ball impact resistant maintenance opening with lock for installation in wall and ceiling constructions.



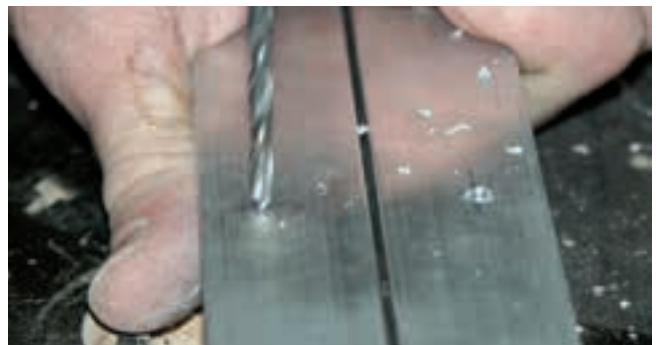
Cutting out of the opening/cover tile from the reverse side of the tile.



Sand the edges.



Paint the edges.



Drill the frame.



Insert the cover tile.



Fix the cover tile with min. 2 x 4 number screws 4.5 x 20 mm per frame 40 x 40 or 2 x 6 number for 60 x 40 cm and Heraklith-BM PU or polymer glue on the inner frame.

Inserting HERADESIGN® acoustic overlays in film bags



Tear off the bags from the roll.



Slide in the acoustic overlay.



Fold over the film edges.



Tape up the film ends.

HERADESIGN® Acoustic overlay – density approx. 50 kg/m³

Mineral wool absorber for increased sound absorption requirements.

Tile thickness [mm]	Weight [approx. kg/m ²]	Tile size [mm]	Packaging unit [m ² /carton]
30	1.5	1200 x 625	12,0
40	2.0	1200 x 625	9,0
50	2.5	1200 x 625	7,5

HERADESIGN® Acoustic overlay – density approx. 90 kg/m³

Mineral wool absorber for increased sound absorption and fire protection requirements, glass fleece laminated on one side.

[mm]	Weight [approx. kg/m ²]	Tile size [mm]	Packaging unit [m ² /carton]
25	2.3	1200 x 625	7,5
50	4.5	1200 x 625	4,5

HERADESIGN® Film bag ¹⁾

PE trickle protection film bags for Heradesign acoustic overlays.

Size mm	For overlay thickness mm	Packaging unit pcs.
1400 x 750	< 80	250

1) Film thickness 30 µm – Important: no influence on sound absorption.

HERADESIGN® Screws

Drywall screw with countersunk head for fixing HERADESIGN® acoustic tiles to wood and metal grid structures 1) 4) 5).

Length / Ø [mm]	Surface/Colour Ruspert® coating ³⁾	Wood			Metal CD-profile			Packaging unit [pcs./carton]
		For tile thickness [mm]			For tile thickness [mm]			
		15	25	35	15	25	35	
35 / 4.5	galvanised	x			x			200
35 c ²⁾ / 4.5	white, beige, RAL ⁶⁾	x			x			200
50 / 4.5	galvanised		x			x	x	200
50 c ²⁾ / 4.5	white, beige, RAL ⁶⁾		x			x	x	200
60 / 4.5	galvanised			x				200
60 c ²⁾ / 4.5	white, beige, RAL ⁶⁾			x				200

1) With partial thread and Torx T20 – suitable for walls or profiles up to 0.6 mm

2) Screw painted in white (similar to RAL 9010) or beige (natural tone 13).

3) Usage class 1 and 2 as per EN 1995-1-1:2010-12 electrogalvanised, yellow chromated, A2L as per EN ISO 4042

4) Screws specially hardened (500 HV 0,3)

5) Optimised tip for use with metal profiles

Note: Not suitable for indoor swimming pools and external applications. Ask the screw supplier for screws with suitable corrosion protection for applications in indoor swimming pools and covered external applications, etc.

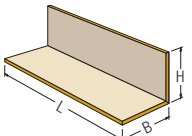
6) Other colours and minimum quantities on request

HERADESIGN® Drilling template

For tile sizes	Packaging unit [pcs./carton]
600 and 625 mm	1
1200 and 1250 mm	1

HERADESIGN® Ceiling angle

Design element for covering and the 3D-design of walls and ceilings.

Tile	Tile thickness [mm]	Weight [kg/m ²]	Dimensions ⁵⁾ - Length x Width x Height	
HERADESIGN® fine	25 / 35	12.4 / 16.3	max. 2500 x 625 x 300 mm max. leg length 625 mm min. leg length 75 mm	
HERADESIGN® superfine	25 / 35	11.3 / 15.0		

5) Edge configurations AK-01 and GK. Lead times, special sizes and other products on request.

HERADESIGN® Paint spray

Improvement and cover spray for HERADESIGN® acoustic tiles.

Colours	Contents [ml]	Packaging unit [pcs.]
white (similar to RAL 9010)	400	1
beige (natural tone 13)	400	1