

MATCH Tile fits div. types of tiles, which differ in width, height, shape and color. In the product names, the matching tiles are mentioned in abbreviated form.

xxxx.xxxx **MATCH Tile** **Myy-z** **terracotta** **B2** **N**
A B C D E F

- A) Article number
- B) System name
- C) Power number of cells
- D) optics
- E) Module suitable for tile type B and its number, which are replaced
- F) Location in the module field
 - N = normal = in the field
 - NR = normal right = in the field at the right edge (transition to the tile)
 - O = top = top row, tiles rest on these modules
 - OR = top right = top row on the right edge



For example: 3337.0912 MATCH Tile M21-HC8 terracotta A2 O

- C) 21 Wp with 8 HC cells
- D) terracotta
- E) suitable for tile type A, replaces 2 tiles
- F) Placement of top row in module field, tile rests on module

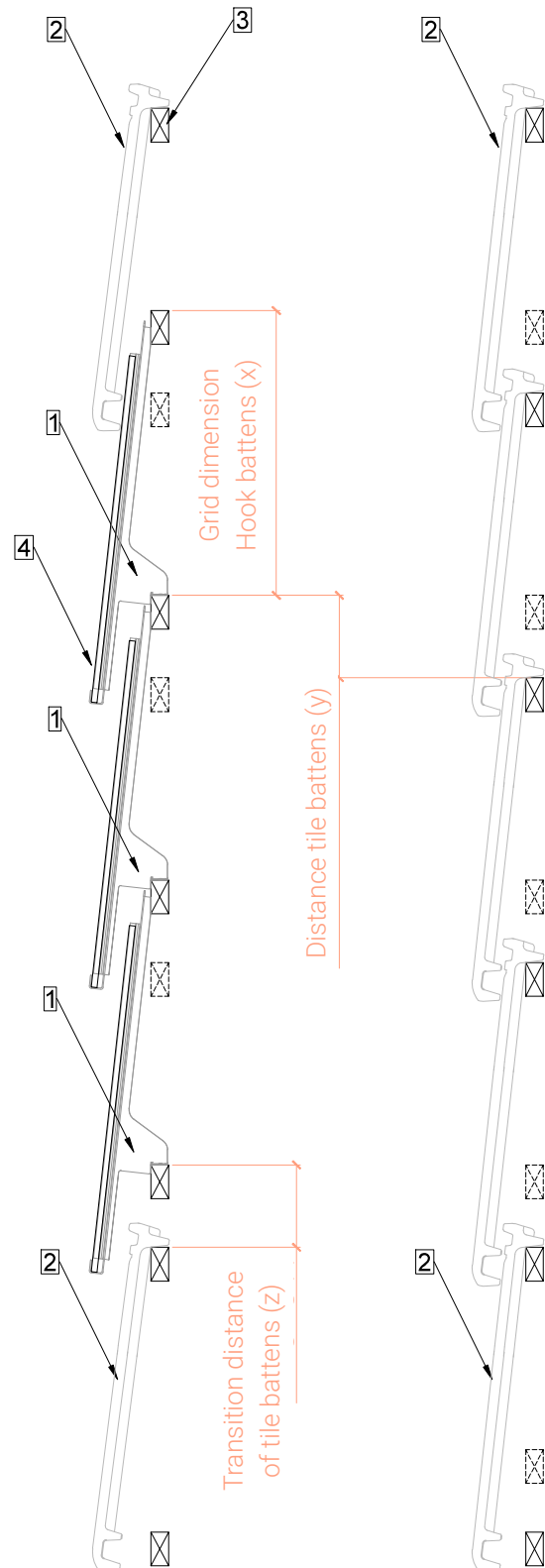
3337.0604 MATCH Tile Haken 2 **z**
A B C D

- A) Article number
- B) System name
- C) Hook suitable for tile type 2
- D) Placement
 - z = between the modules
 - u = under the modules
 - l = transition to the brick on the left

- 1 MATCH Tile hook 2
- 2 Tile
- 3 Roof batten
- 4 Module

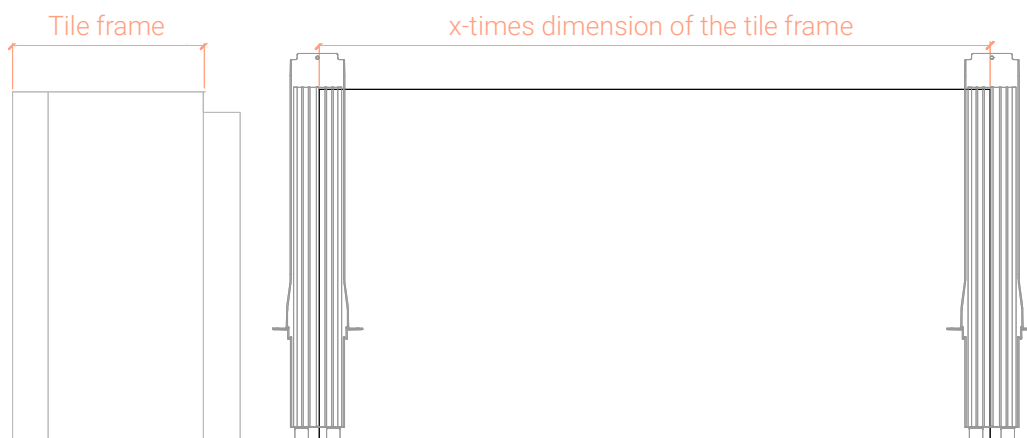
Grid dimensions indication (x):

| | |
|-----------------------------|-------|
| Creaton, Cantus | 380mm |
| Gasser, FS03 & MS95 | 380mm |
| ZZ Wancor, Plano & Swiss TL | 380mm |
| Nelskamp, G10 | 385mm |
| AGZ, GS37 | 370mm |
| Jacobi Walther, Z10 | 380mm |
| Erlus, Level RS | 390mm |



The recommended masses are also indicated in the tile compatibility. The distance "z" should be kept as small as possible. A minimum overlap of 45mm is recommended.

Grid dimensions and data sheets of the tile used must also be observed!



Grid dimensions:

Type A

1 tile: 223mm
 2 tiles: 446mm (A2)
 4 tiles: 892mm (A4)
 5 tiles: 1115mm (A5)

Type B

1 tile: 255mm
 2 tiles: 510mm (B2)
 4 tiles: 1020mm (B4)

Type C

1 tile: 250mm
 4 tiles: 1000mm (C4)

Type D

1 tile: 212mm
 4 tiles: 848mm (D4)

Type E

1 tile: 265mm
 4 tiles: 1060mm (E4)

Typ F

1 tile: 230mm
 2 tiles: 460mm (F2)
 4 tiles: 920mm (F4)

Design recommendation:

Keep at least one row of tiles away from the ridge, eaves, verge and various obstacles (chimney, skylight) so that the finishes can be made as with conventional tiled roofs.

Further interpretation possibilities

Ridge:

The modules can also be laid out to the ridge and secured with the ridge tile.

Verge, obstacles on the side (chimney, skylight):

The modules can be laid directly up to the verge or obstacle. On-site finishes are required.

Eaves:

The modules can be designed up to the eaves. Does not require special finishes.

Obstacles above or below the modules:

The modules can be laid directly up to the obstacle. On-site finishes and fuses required.

Creton

Creton, Cantus

Tile type: 2A

Grid dimension tile in height:
348 - 384mm

Grid dimension tile in width:
222 - 224mm

Compatible mass

Grid dimension hook battens (x):
380mm

Distance tile battens (y):
approx. 110mm

Grid dimension in width:
223mm

Suitable modules (grid dimension)

Module type A5: 1115 mm (5 tiles)

Module type A4: 892 mm (4 tiles)

Module type A2: 446 mm (2 tiles)



"Black glazed fineness" (image)
"Noblesse black crystal glazed"
"Noblesse slate crystal varnished"
"Black matte engobed shade"
"Slate color engobed"
recommended with
MATCH tile Mxx-xx totallyblack Ax



"Engobed copper shade"
recommended with
MATCH tile Mxx-xx terracotta Ax



"natural red" recommended with
MATCH tile Mxx-xx Solarcolor Ax



"Fineness burgundy glazed"
recommended with
MATCH Tile Mxx-xx Solarcolor Ax

Gasser Ceramic

Gasser, FS03 & MS95

Tile type: 2A

Grid dimension tile in height:
330 - 380mm

Grid dimension tile in width:
223mm

Compatible mass

Grid dimension hook battens (x):
380mm

Distance tile battens (y):
approx. 110mm

Grid dimension in width:
223mm

Suitable modules (grid dimension)

Module type A5: 1115 mm (5 tiles)

Module type A4: 892 mm (4 tiles)

Module type A2: 446 mm (2 tiles)

FS03



MS95



"black" recommended to
MATCH tile Mxx-xx totallyblack Ax

FS03



MS95



"dark gray" recommended to
MATCH tile Mxx-xx Solarcolor Ax

FS03



MS95



"brown" recommended to
MATCH tile Mxx-xx Solarcolor Ax

FS03



MS95

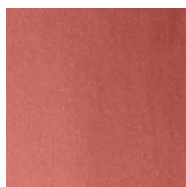


"red brown" recommended to
MATCH tile Mxx-xx terracotta Ax

MATCH tile Mxx-xx Solarcolor Ax, matching the color palette from Gasser



antique-red



red engobed



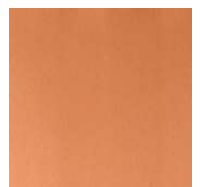
brown



light gray



green



natural red

ZZ Wancor

ZZ Wancor, Plano

Tile type: 2B

Grid dimension tile in height:

360 - 400mm

Grid dimension tile in width:

253 - 260mm

Compatible mass

Grid dimension hook battens (x):
380mm

Distance tile battens (y):
approx. 110mm

Grid dimension in width:
255mm

Suitable modules (grid dimension)

Module type B4: 1020 mm (4 tiles)

Module type B2: 510 mm (2 tiles)



"nero" recommended to
MATCH tile Mxx-xx totallyblack Bx



"brown" recommended to
MATCH tile Mxx-xx Solarcolor Bx



"dark gray" recommended to
MATCH tile Mxx-xx Solarcolor Bx



"natural red" recommended to
MATCH tile Mxx-xx Solarcolor Bx

ZZ Wancor

ZZ Wancor, Swiss TL

Tile type: 2B

Grid dimension tile in height:
360 - 400mm

Grid dimension tile in width:
253 - 260mm

Compatible mass

Grid dimension hook battens (x):
380mm

Distance tile battens (y):
approx. 110mm

Grid dimension in width:
255mm

Suitable modules (grid dimension)

Module type B4: 1020 mm (4 tiles)

Module type B2: 510 mm (2 tiles)



"nero" recommended to MATCH tile Mxx-xx totallyblack Bx



"light brown" recommended to MATCH tile Mxx-xx Solarcolor Bx



"dark gray" recommended to MATCH tile Mxx-xx Solarcolor Bx



"gray" recommended to MATCH tile Mxx-xx Solarcolor Bx



"natural red" recommended to MATCH tile Mxx-xx Solarcolor Bx

Nelskamp

Nelskamp, G10

Tile type: 2C

Grid dimension tile in height:
384 - 404mm

Grid dimension tile in width:
245 - 250mm

Compatible mass

Grid dimension hook battens (x):
385mm

Distance tile battens (y):
approx. 70mm

Grid dimension in width:
250mm

Suitable modules (grid dimension)

Module type C4: 1000 mm (4 tiles)



"black matt engobed" (Image)
"black noble engobed"
"old colored engobed"
"old black engobed"
"multicolored metallic noble engobed"
"steamed"
recommended to
MATCH tile Mxx-xx totally black Cx



"anthracite gray engobed" (Image)
"dark gray"
recommended to
MATCH tile Mxx-xx Solarcolor Cx



"red engobed" recommended to
MATCH tile Mxx-xx terracotta Cx



"natural red" recommended to
MATCH tile Mxx-xx Solarcolor Cx

AGZ Ziegelei

AGZ, GS37

Tile type: 2D

Grid dimension tile in height:
300 - 372mm
Grid dimension tile in width:
210 - 220mm

Compatible mass

Grid dimension hook battens (x):
370mm
Distance tile battens (y):
approx. 130mm
Grid dimension in width:
212mm

Suitable modules (grid dimension)

Module type D4: 848 mm (4 tiles)



"anthracite" recommended to MATCH tile Mxx-xx totallyblack Dx



"dark gray" recommended to MATCH tile Mxx-xx Solarcolor Dx



"brown" recommended to MATCH tile Mxx-xx Solarcolor Dx



"red brown" recommended to MATCH tile Mxx-xx terracotta Dx



"natural red" recommended to MATCH tile Mxx-xx Solarcolor Dx

Jacobi Walther

Jacobi Walther, Z10

Tile type: 2E

Grid dimension tile in height:
355 - 380mm
Grid dimension tile in width:
264 - 268mm

Compatible mass

Grid dimension hook battens (x):
380mm
Distance tile battens (y):
approx. 110mm
Grid dimension in width:
265mm

Suitable modules (grid dimension)

Module type E4: 1060 mm (4 tiles)



"noble black" (Image)
"old black"
"night gray muted"
"spacegrey metallic"
recommended to
MATCH tile Mxx-xx totallyblack Ex



"light gray gray muted"
recommended to
MATCH tile Mxx-xx Solarcolor Dx



"dark brown" (Image)
"noble brown"
recommended to
MATCH tile Mxx-xx Solarcolor Dx



"old red" recommended to
MATCH tile Mxx-xx terracotta Dx



"noble wine red"
"noble red"
"noblecopper"
recommended to
MATCH tile Mxx-xx Solarcolor Dx



"natural red" recommended to
MATCH tile Mxx-xx Solarcolor Dx

Erlus

Erlus, LEVEL RS

Tile type: 2F

Grid dimension tile in height:
380 - 390mm

Grid dimension tile in width:
ca. 230mm

Compatible mass

Grid dimension hook battens (x):
390mm

Distance tile battens (y):
approx. 75mm

Grid dimension in width:
230mm

Suitable modules (grid dimension)

Module type F2: 460mm (2 tiles)

Module type F4: 920mm (4 tiles)



"sinter gray" recommended to
MATCH tile Mxx-xx totallyblack Fx



"sinter black matt" recommended
toMATCH tile Mxx-xx Solarcolor Fx




"sinter red" recommended to
MATCH tile Mxx-xx Solarcolor Fx



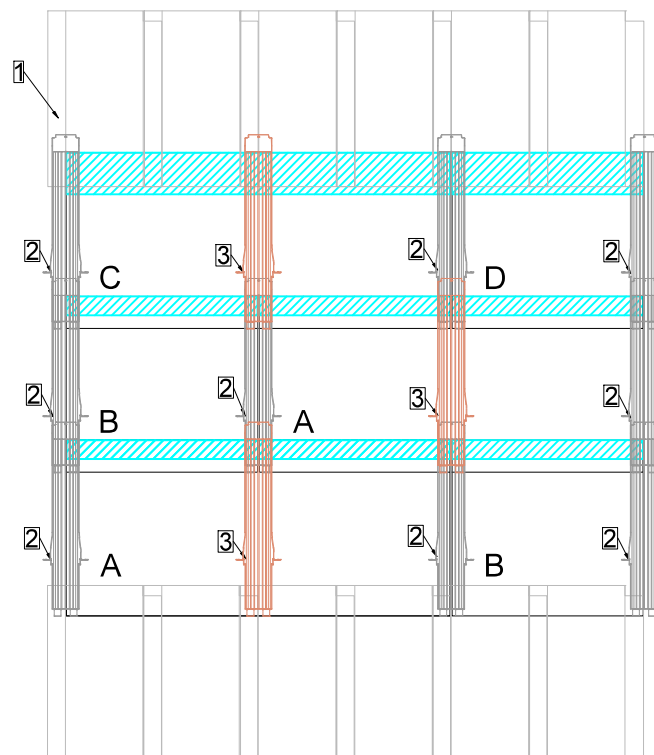
"red sinter firing" recommended to
MATCH tile Mxx-xx terracottaM Fx

Der Abstand der Ziegellattung (y) zur MATCH tile Lattung ist mit 75mm relativ gering.


Daher soll die Dachlattung statt mit 30x60 oder 40x60 mit einer Dachlattung 40x50 resp. 50x50 ausgeführt werden.

- | | | | |
|---|--|---|------------------------------|
| 1 | Tile | A | MATCH Tile Mxx-xx... ..4 N |
| 2 | MATCH Tile hook ... z | B | MATCH Tile Mxx-xx2 N |
| 3 | MATCH Tile hook ... u (for higher load capacity and transition right) | C | MATCH Tile Mxx-xx4 O |
| 4 | MATCH Tile hook ... l | D | MATCH Tile Mxx-xx2 O |
|  | EPDM | E | MATCH Tile Mxx-xx4 NR |
| | | F | MATCH Tile Mxx-xx2 NR |
| | | G | MATCH Tile Mxx-xx... ..4 OR |
| | | H | MATCH Tile Mxx-xx2 OR |

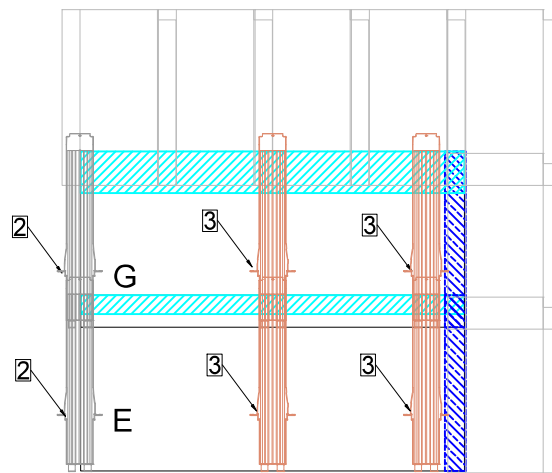
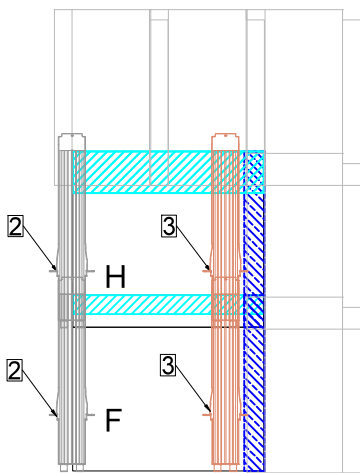
Using the example of offset layout



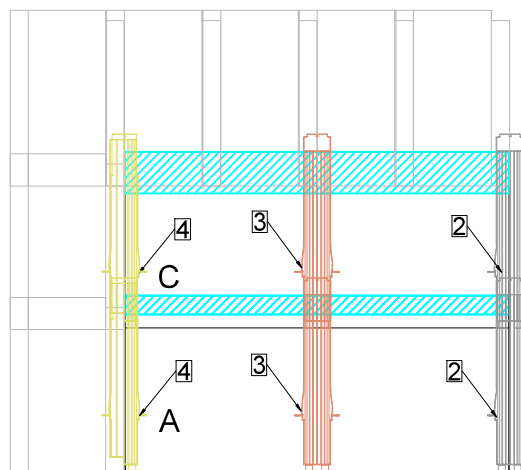
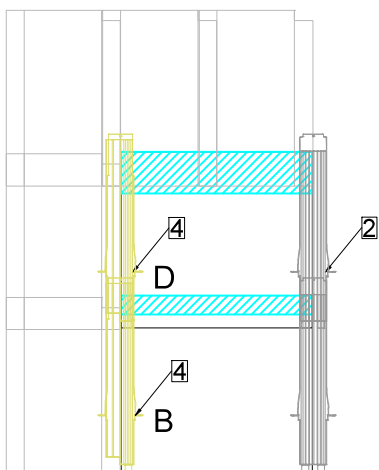
The MATCH Tile modules are equipped with different EPDMs depending on their placement in the tile field. The standard module is equipped with only one EPDM as a transition to the next module on top (A, B). Modules on the top row are assembled with the EPDM as "transition to tile on top" (C, D). Modules on the right module field are completed with an EPDM as "transition on tile right" (E, F, G & H). This EPDM is on the back side of the module and rests on the tile. In addition, a "MATCH Tile hook ...u" is mounted. The transition on the left side to the tile is made with the "MATCH Tile hook ...l". The tile rests on this hook.

- | | | | |
|---|--|---|------------------------------|
| 1 | Tile | A | MATCH Tile Mxx-xx... ..4 N |
| 2 | MATCH Tile hook ... z | B | MATCH Tile Mxx-xx2 N |
| 3 | MATCH Tile hook ... u (for higher load capacity and transition right) | C | MATCH Tile Mxx-xx4 O |
| 4 | MATCH Tile hook ... l | D | MATCH Tile Mxx-xx2 O |
|  | EPDM | E | MATCH Tile Mxx-xx4 NR |
| | | F | MATCH Tile Mxx-xx2 NR |
| | | G | MATCH Tile Mxx-xx... ..4 OR |
| | | H | MATCH Tile Mxx-xx2 OR |

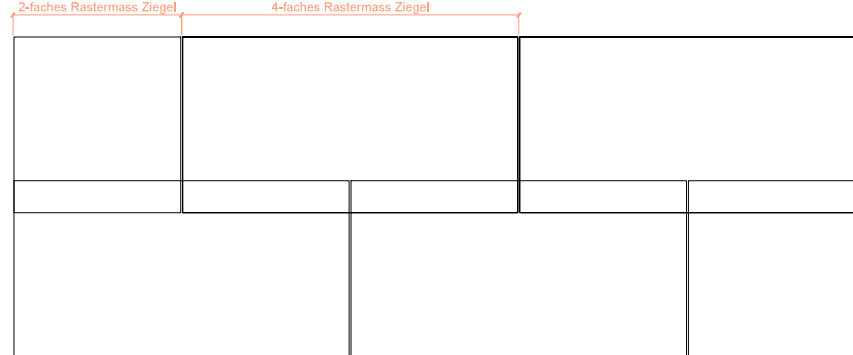
Transition to tile on right side



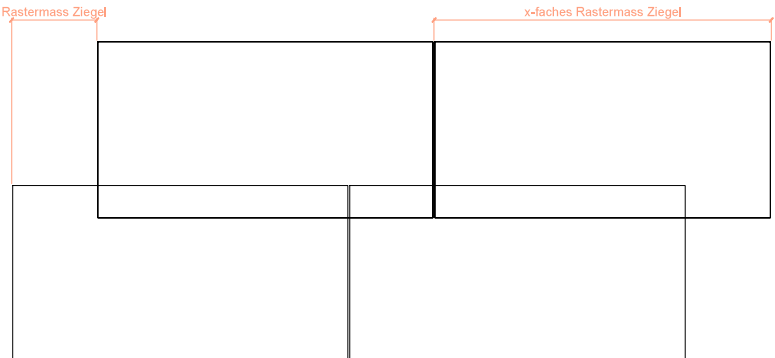
Transition to tile left



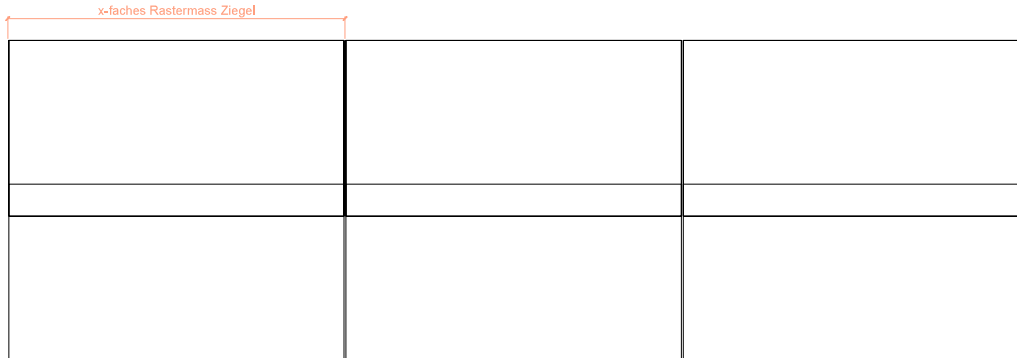
offset laying

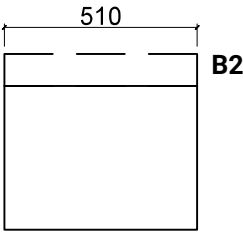
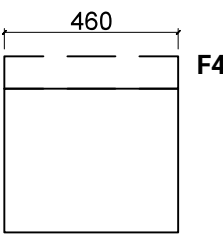
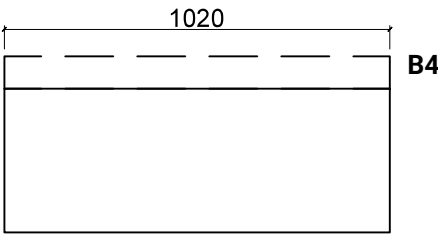
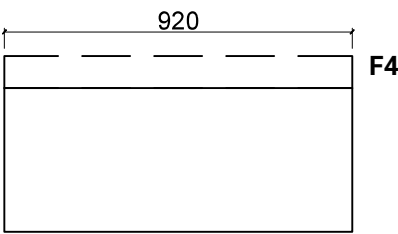
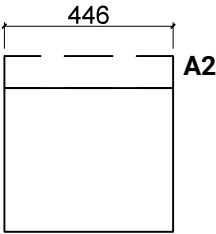
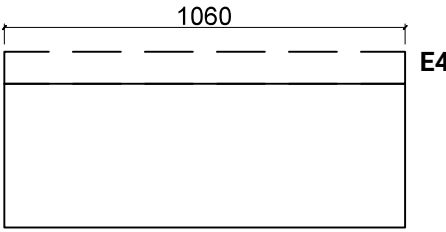
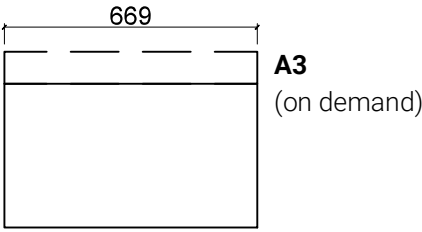
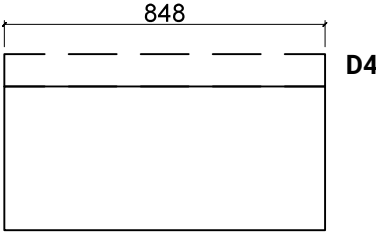
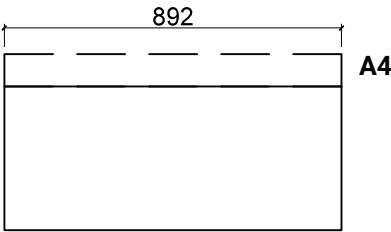
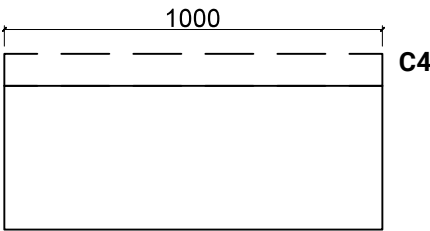
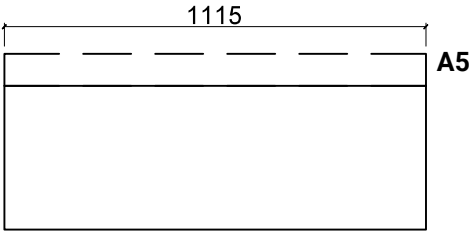


individual laying



normal laying





Static layout for normal requirements

A4

| V23.03 |

Area load suction < 2.4 kN/m²

These data (kn/m²) are load limits without material safety factors

Area load pressure < 2.4 kN/m²

| Module type | MATCH tile hook z | MATCH tile hook u | MATCH tile hook I |
|-------------|-------------------|----------------------------------|---------------------------------|
| Module A2 | 1 | 0 (except 1 at transition right) | Replaces "z" at transition left |
| Module A4 | 1 | 0 (except 1 at transition right) | Replaces "z" at transition left |
| Module A5 | 1 | 0 (except 1 at transition right) | Replaces "z" at transition left |
| Module B2 | 1 | 0 (except 1 at transition right) | Replaces "z" at transition left |
| Module B4 | 1 | 0 (except 1 at transition right) | Replaces "z" at transition left |
| Module C4 | 1 | 0 (except 1 at transition right) | Replaces "z" at transition left |
| Module D4 | 1 | 0 (except 1 at transition right) | Replaces "z" at transition left |
| Module E4 | 1 | 0 (except 1 at transition right) | Replaces "z" at transition left |
| Module F2 | 1 | 0 (except 1 at transition right) | Replaces "z" at transition left |
| Module F4 | 1 | 0 (except 1 at transition right) | Replaces "z" at transition left |

Static layout for increased demands

Area load suction 2.4 - 3.5 kN/m²

These data (kn/m²) are load limits without material safety factors

Area load pressure 2.4 - 8 kN/m²

| Module type | MATCH tile hook z | MATCH tile hook u | MATCH tile hook I |
|-------------|-------------------|----------------------------------|---------------------------------|
| Module A2 | 1 | 0 (except 1 at transition right) | Replaces "z" at transition left |
| Module A4 | 1 | 1 (except 2 at transition right) | Replaces "z" at transition left |
| Module A5 | 1 | 1 (except 2 at transition right) | Replaces "z" at transition left |
| Module B2 | 1 | 0 (except 1 at transition right) | Replaces "z" at transition left |
| Module B4 | 1 | 1 (except 1 at transition right) | Replaces "z" at transition left |
| Module C4 | 1 | 1 (except 2 at transition right) | Replaces "z" at transition left |
| Module D4 | 1 | 1 (except 2 at transition right) | Replaces "z" at transition left |
| Module E4 | 1 | 1 (except 2 at transition right) | Replaces "z" at transition left |
| Module F2 | 1 | 0 (except 1 at transition right) | Replaces "z" at transition left |
| Module F4 | 1 | 1 (except 2 at transition right) | Replaces "z" at transition left |

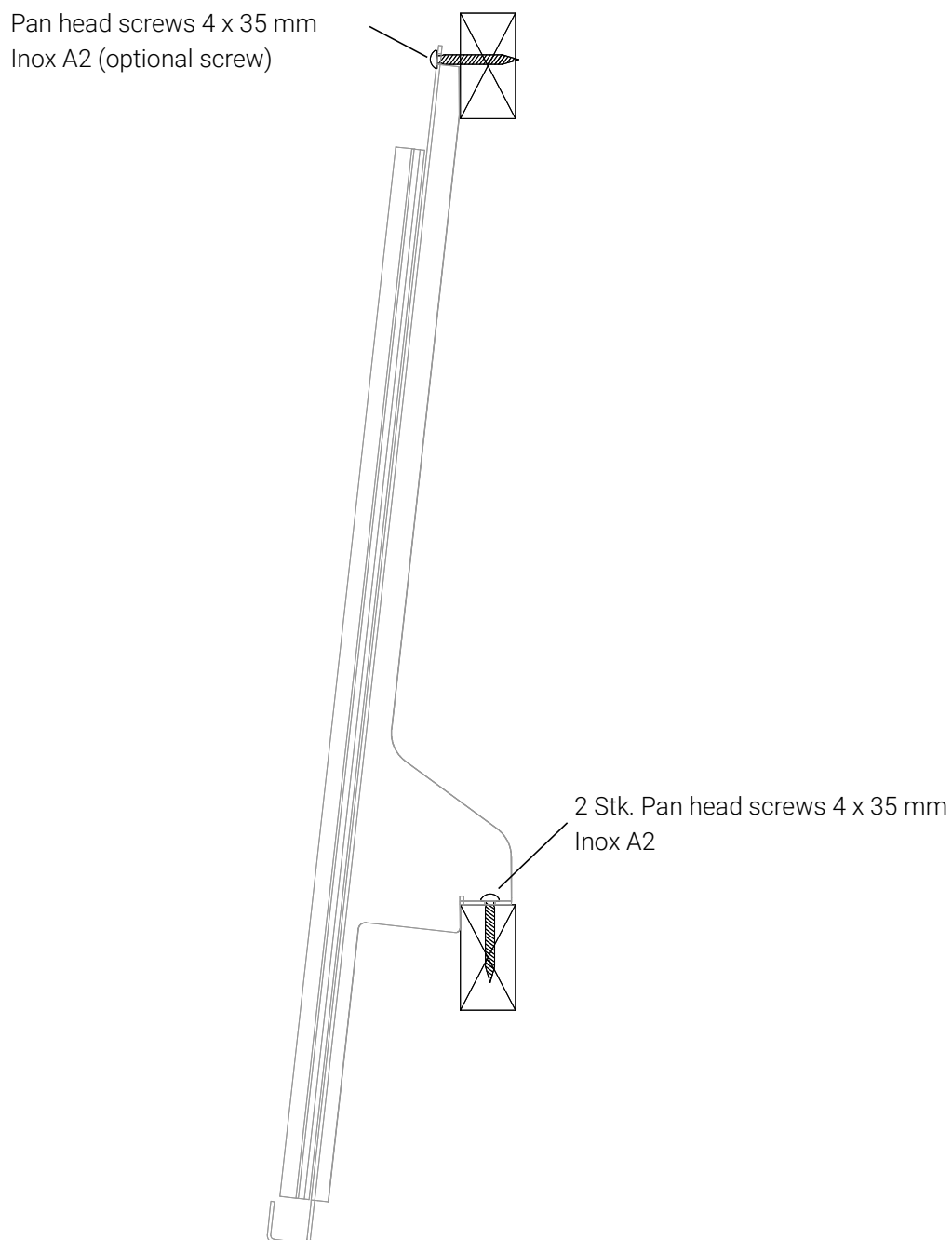
More extreme requirements can be designed on a project-specific basis.

Furthermore, it is recommended to install additional "MATCH Tile hooks ... u" should be installed in valley and edge areas.

Modules that are not sufficiently secured with a MATCH Tile hook above them must be secured against wind suction on site (e.g. fix tiles). Tiles under the modules are not secured by the hooks or modules, so these must also be secured on site.

MATCH hook – Screw recommendation

| v23.03 |



The MATCH hooks are each screwed to the roof battens with 2 screws. The screw at the top can be attached additionally, it is recommended especially in the top row and in the edge areas. We recommend screwing the roof battens as well as the counter battens. The structural analysis of the entire roof structure is the responsibility of the contractor.

Subroof

8° to 13° Subroof for extraordinary stresses

14° to 25° Subroof for increased loads

from 25° Subroof for normal use

This information applies to the "MATCH Tile integrated system" and not to the tiles used. It is recommended to always drain the subroof into the gutter.

Rear ventilation

The requirement for rear ventilation basically corresponds to the same requirement of the conventional tile. This corresponds at least to a counterbattens of 20 mm.

If the roof is newly constructed and the rear ventilation can be optimized, the following dimensions are recommended:

- Rafter length up to 8 m: 40 mm counterbattens
- Rafter length 8 to 12 m: 60 mm counterbattens
- Rafter length from 12 m: 80 mm counterbattens

The information on rear ventilation refers to the optimum module performance and not to the statics of the roof structure. The statics must be checked separately in each case.

Roof battens

| Counterbattens distance in mm | char. Area load in kN/m ² | | | | |
|-------------------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | < 1.5 | 1.5 - 2.4 | 2.4 - 3.5 | 3.5 - 5.0 | 5.0 - 8.0 |
| 500 | 24x48 | 24x48 | 24x48 | 30x50 | 30x60 |
| 600 | 24x48 | 24x48 | 30x50 | 30x60 | 40x60 |
| 700 | 24x48 | 30x50 | 30x60 | 40x60 | 40x60 |
| 800 | 30x50 | 30x60 | 40x60 | 40x60 | --- |
| 1000 | 30x60 | 40x60 | 40x60 | --- | --- |

More extreme requirements can be designed on a project-specific basis or by matching the counterbattens to the grid of the match tile hooks.

e.g.: Module type A5: 1115mm

Grid dimension: 1115mm x 380mm

Counterbattens: 1115mm : 2 (corresponds to 1 hook u per module) = 557.5mm

Goal: Hook is as directly above the counterbattens as possible.

Modules to the eaves

| v23.03 |

- 1 MATCH tile module
- 2 MATCH tile hook
- 3 Roof battens
- 4 Counterbattens
- 5 Ventilation grid
- 6 Gutter
- 7 Subroof drained into gutter

