

# Zehnder ComfoFresh

EAC-ROH-DN125-6°/60°

EAC-ROH-DN160-6°/60°

EAC-ROH-DN200-6°/60°

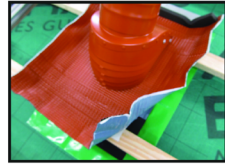
**zehnder**

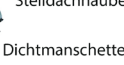


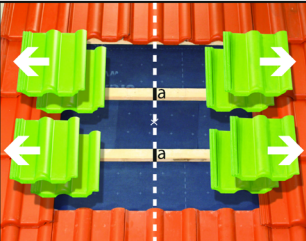
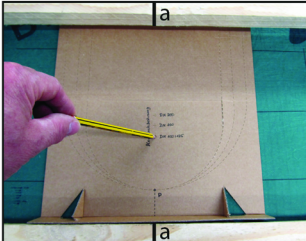
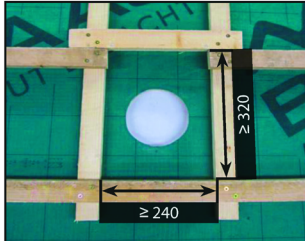
# Design-Steildachhaube

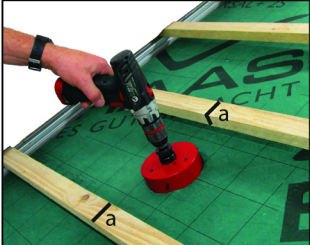
## - Einbau Dachhaube

- Universalpfanneneindeckung (Überdeckung/Unterdeckung)
- Originalpfanneneindeckung
- Sondervarianten (Biberschwanz, Schiefer, etc.)



| i <sub>1</sub> | Werkzeug                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | i <sub>2</sub> | Lieferumfang                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |  Messer<br> Kreuzschlitz<br> Innensechskant SW4<br> Torx T25<br> Kernlochbohrer<br>DN 100/125 ≈ Ø145<br>DN 160 ≈ Ø180<br>DN 200 ≈ Ø220 |                |  Steildachhaube<br> Dichtmanschette<br> Schablone<br> Komprimband<br> Klebeband<br> Torx Schrauben<br>3 Stück 5x40-50<br> Bohrschrauben<br>6 Stück 3,9x13 |

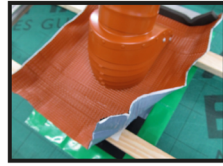
| A                                                                                | Durchgangspfanne freilegen                                                        | B                                                                                  | Durchgangsloch aufzeichnen | C                                        | Wechsel DN200 (nach Bedarf) |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------|------------------------------------------|-----------------------------|
|  |  |  |                            |                                          |                             |
| Vertikale Flucht - Kernlochbohrung festlegen<br>(Linie a-a)                      |                                                                                   | Mit Schablone Mittelpunkt Kernlochbohrung<br>anzeichnen (Größe - siehe Schablone)  |                            | Lattenabstand < 370mm → Wechsel einbauen |                             |

| D | Durchgangsloch bohren                                                              |
|---|------------------------------------------------------------------------------------|
|   |  |
|   | Kernlochbohrer oder Stichsäge/Fuchsschwanz (Größentabelle unter Punkt „Werkzeug“)  |

## Design-Steildachhaube

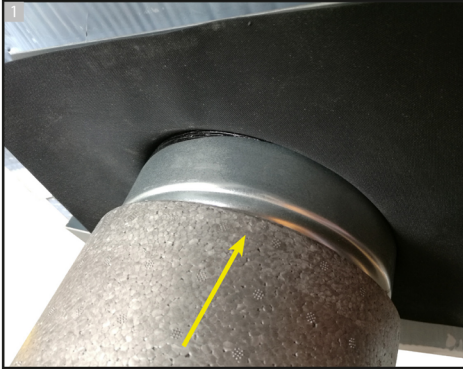
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E

Anschluß Lüftungsrohr z.B. Zehnder ComfoPipe



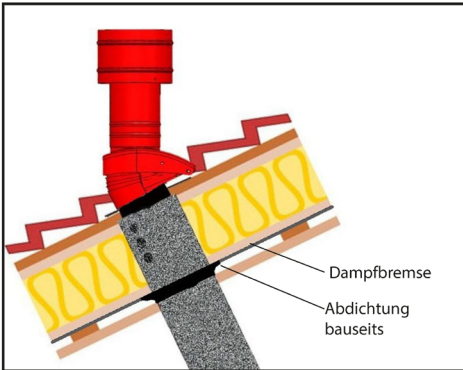
Rohr auf Stutzen aufstecken



Mit Kaltschrumpfband luftdicht abdichten  
Kaltschrumpfband ist nicht im Lieferumfang enthalten!

I

Abdichten

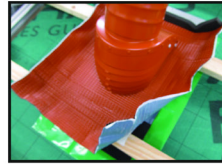


Rohr mit Klebeband luftdicht mit Dampfbremse abkleben.  
Klebeband ist nicht im Lieferumfang enthalten!

## Design-Steildachhaube

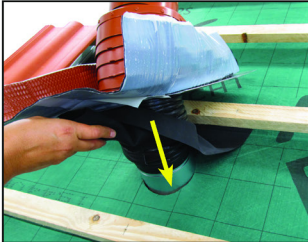
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F

Dachhaube einsetzen



G

Kompriband anbringen + Dachhaube fixieren

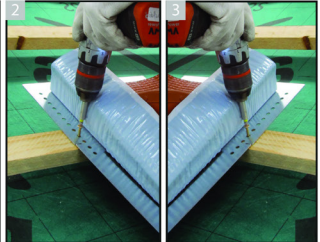


Abb.1: Kompriband mit ca.10mm Abstand zur oberen Kante anbringen (3 Stück)  
Torx 5x30-50 (3 Stück)

### ACHTUNG

Universalpfanne darf **NICHT** scharfkantig abgeknickt werden.  
**RISSGEFAHR!**

H

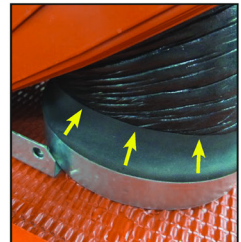
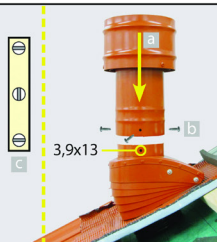
Dichtmanschette verkleben



Klebeband im Lieferumfang enthalten

I<sub>1</sub>

Haubenkopf montieren und Dachneigung einstellen



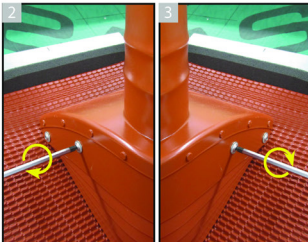
Membrane muss nach Neigungseinstellung nach oben zeigen

Der Untergrund muss trocken, staub- und fettfrei sein. Die Verarbeitungstemperatur sollte mindestens +5°C betragen. Elastoflex-Klebeband ist zum luftdichten Abkleben von Dampfbremsen und -sperran an Dachdurchführungen geeignet. Gegebenenfalls sind vorab bauseits Klebproben zu erstellen und eine Haftung auf dem Untergrund zu gewährleisten.

- Haubenkopf bis Anschlag aufsetzen
- Lotrecht festziehen, 3,9x13 (3 Stück)
- Dachneigung einstellen

I<sub>2</sub>

Festziehen



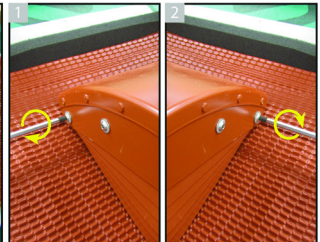
Beidseitig festziehen

J

Lamellen einstellen und festziehen



Lamellen gleichmäßig verteilen

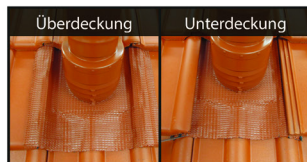


Beidseitig festziehen

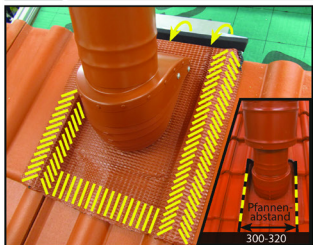


## Design-Steildachhaube

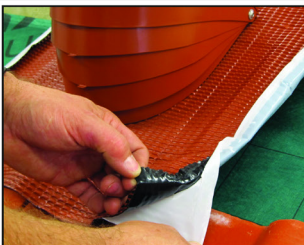
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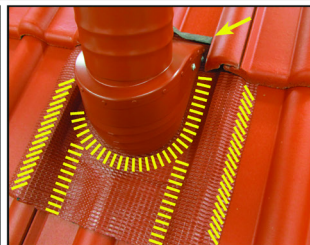
### A<sub>1</sub> Überdeckung



Universalpfanne je nach Bedarf einschlagen (👉) und anformen (👉)

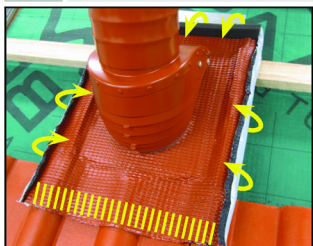


**Schutzfolie entfernen**  
Der Untergrund muss trocken, staub- und fettfrei sein. Die Verarbeitungstemperatur soll mindestens +5°C betragen. Streckfaktor von 20% (F2) bis 30% (plisiert)



Universalpfanne ausreichend andrücken (👉) und bei Bedarf Originalpfanne ausschneiden (👉)

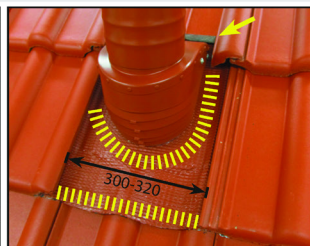
### A<sub>2</sub> Unterdeckung



Universalpfanne je nach Bedarf einschlagen (👉) und anformen (👉)



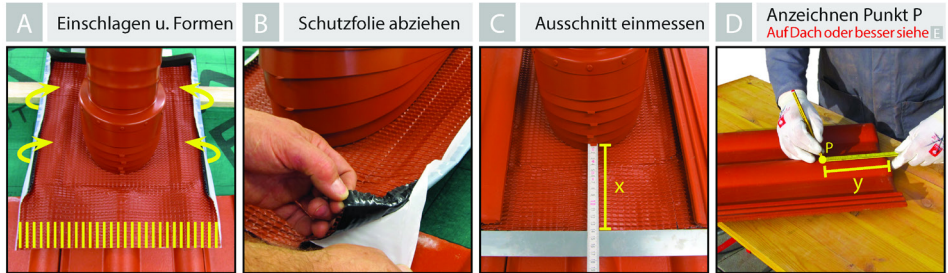
**Schutzfolie entfernen**  
Der Untergrund muss trocken, staub- und fettfrei sein. Die Verarbeitungstemperatur soll mindestens +5°C betragen. Streckfaktor von 20% (F2) bis 30% (plisiert)



Universalpfanne ausreichend andrücken (👉) mit Originalpfanne eindecken und bei Bedarf ausschneiden (👉)

## Design-Steildachhaube

- Einbau Dachhaube
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- Originalpfanneneindeckung
- Sondervarianten (Biberschwanz, Schiefer, etc.)

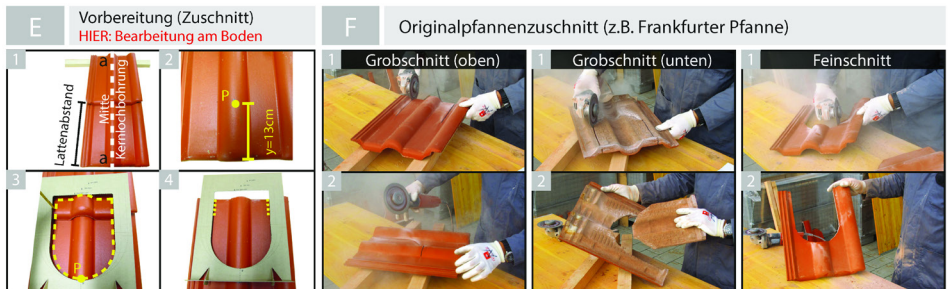


Universalpfanne je nach Bedarf einschlagen (👉) und anformen (👉)

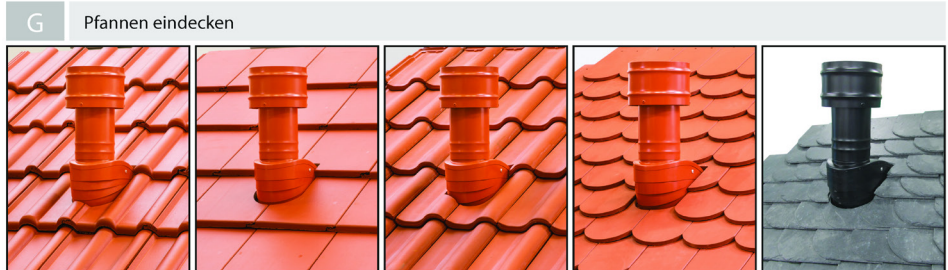
Schutzfolie entfernen  
Untergrund muss trocken, staub- und fettfrei sein. Verarbeitungstemperatur min. +5°C. Streckfaktor von 20% (F2) bis 30% (plisiert)

1. Winkel/Lattenstück an Pfannenunterkanten anlegen
2. Maß x messen (z.B.  $x = 14\text{cm}$ )
3. Maß  $y = x - 1\text{cm}$  (hier:  $14 - 1 = 13\text{cm}$ )

👉 Punkt P (hier:  $y = 13\text{cm}$ )



1. Flucht a...a festlegen u. Lattenabstand einhalten
2. Schablone bei Punkt P anlegen
3. Mit Schablone Ausschnitt anzeichnen (👉)
4. Rest aus Überdeckung nachzeichnen (👉)



z.B. Frankfurter Pfanne

z.B. Tegult

z.B. Creton

z.B. Biberschwanz

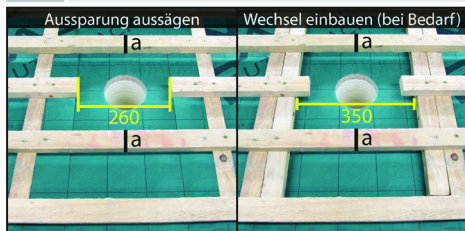
z.B. Schiefer

# Design-Steildachhaube

- Einbau Dachhaube
- Universalpfanneneindeckung (Überdeckung/Unterdeckung)
- Originalpfanneneindeckung
- Sondervarianten (Biberschwanz, Schiefer, etc.)



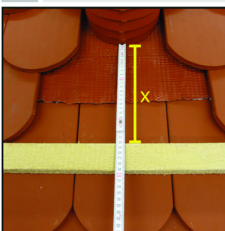
## A Sondervariante mit Lattung z.B. Biberschwanz



Ausschnitt  $\geq 260$  mm

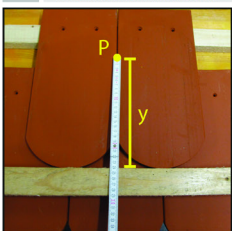
Ausschnitt  $\geq 350$  mm

## B Ausschnitt einmessen



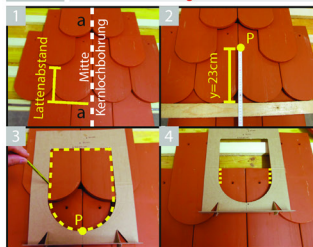
1. Winkel/Lattenstück an Pfannenunterkanten anlegen
2. Maß x messen (z.B.  $x = 24$  cm)
3. Maß  $y = x - 1$  cm (hier:  $24 - 1 = 23$  cm)

## C Anzeichnen Punkt P Auf Dach oder besser siehe D



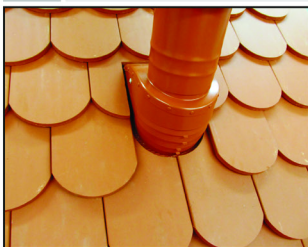
$y =$  Punkt P (hier:  $y = 23$  cm)

## D Vorbereitung (Zuschnitt) HIER: Bearbeitung am Boden



1. Flucht a...a festlegen u. Lattenabstand einhalten
2. Punkt P anzeichnen (hier:  $y = 23$  cm)
3. Mit Schablone Ausschnitt anzeichnen
4. Rest aus Überdeckung nachzeichnen

## E Biberschwanzeindeckung



Bei Bedarf Einhängenasen teilweise entfernen und falls nötig Pfannen anschrauben

## Z1 Sondervarianten ohne Lattung z.B. Schiefer, ...



1. Haltebügel abtrennen
2. Steg hochbiegen
3. Manschette ankleben
4. Anschrauben der Dachhaube (3 Schrauben)

## Z2 Schieferdacheindeckung



z.B. Altdeutsche Variante



# Zehnder ComfoFresh

EAC-ROH-DN125-6°/60°

EAC-ROH-DN160-6°/60°

EAC-ROH-DN200-6°/60°

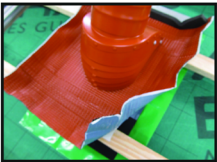
**zehnder**

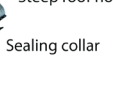


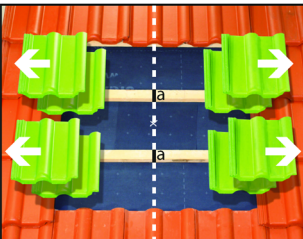
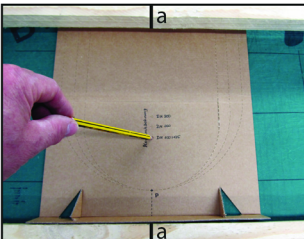
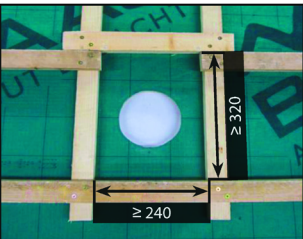


# Designer steep roof hood

- Installation of roof hood
- Universal tile cover (overlay/underlay)
- Original tile cover
- Special variants (plain tile, slate, etc.)



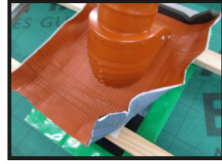
| i <sub>1</sub> | Tools                                                                                              | i <sub>2</sub>                                                                                    | Scope of delivery                                                                                                      |
|----------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|                |  Knife            |  Steep roof hood |  Templet                              |
|                |  Cross slot       |  Sealing collar  |  Compression tape                     |
|                |  Internal hex SW4 |                                                                                                   |  Adhesive tape                        |
|                |  Torx T25         |                                                                                                   |  Torx screws<br>3 pcs. 5x40-50        |
|                |  Hole drill       |                                                                                                   |  Self cutting screws<br>6 pcs. 3,9x13 |
|                | DN 100/125 ≈ Ø145 mm                                                                               |                                                                                                   |                                                                                                                        |
|                | DN 160 ≈ Ø180 mm                                                                                   |                                                                                                   |                                                                                                                        |
|                | DN 200 ≈ Ø220 mm                                                                                   |                                                                                                   |                                                                                                                        |

| A                                                                                | Expose installation area                               | B                                                                                 | Make hole position                                                                    | C                                                                                  | For DN 200 only                             |
|----------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------|
|  | Vertical line - Determine core hole drill (Line a - a) |  | Make center point for opening by using cardboard template (Size - please see templet) |  | If lath distance > 370 mm → Install change. |

| D                                                                                  | Drill lead-through hole                             |
|------------------------------------------------------------------------------------|-----------------------------------------------------|
|  | Cut proper sized opening (size chart under „Tools“) |

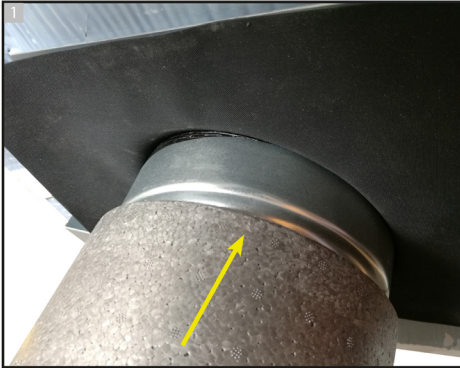
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E

Connect air pipe, e.g. Zehnder ComfoPipe



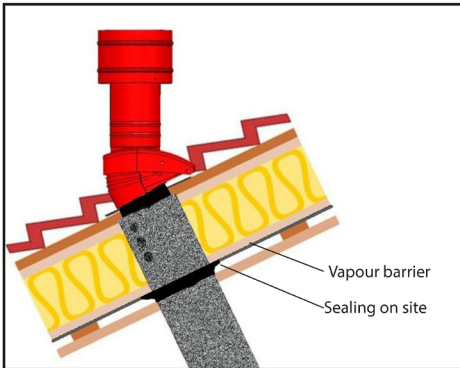
From the inside slide Zehnder ComfoPipe over connection nipple



Seal airtight using cold-shrink tape.  
Please note that cold-shrink tape is not included.

I

Sealing



Seal pipe airtight to vapour barrier using adhesive tape.  
Please note: Adhesive tape not included!

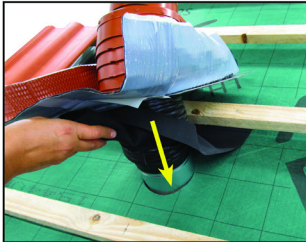
## Designer steep roof hood

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### F Insert roof hood



### G Attach compression tape and secure roof hood

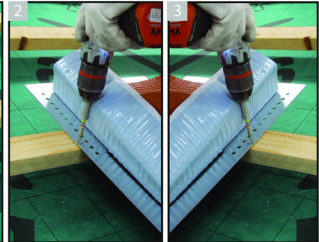
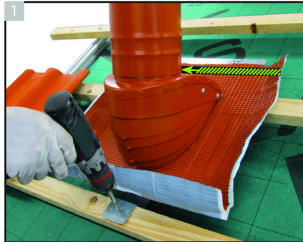


Abb.1: Attach compressed tape with about 10 mm distance to the upper edge ( )  
Torx 5x30-50 (3 pieces)

**DANGER**

Please **DO NOT** bend universal tile multiple times back and forward!  
**DANGER OF CRACKING!**

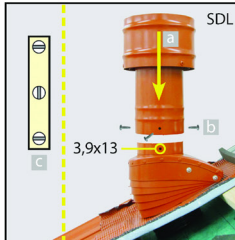
### H Tape sealing collar



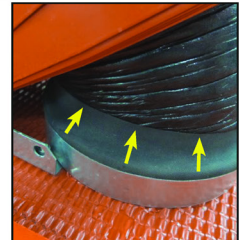
Adhesive tape included

The basis must be dry and free from dust and grease. The processing temperature must be at least +5°C. Elastoflex tape is included for airtight taping of the vapour barriers and vapour locks at roof. If necessary, please check adhesion and secure adhesion on the basis.

### I<sub>1</sub> Attach hood head and adjust roof inclination

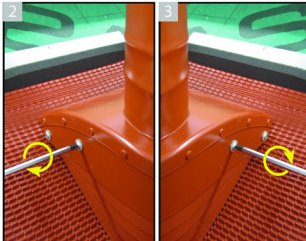


- Slide hood head on incline adjuster until stop
- Secure with 3 self cutting screws 3,9 x 13
- Adjust hood head vertically



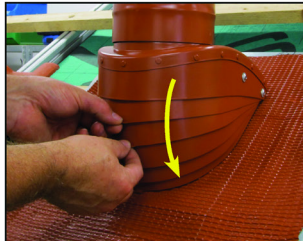
Membrane must face up after adjustment of the incline

### I<sub>2</sub> Tightening

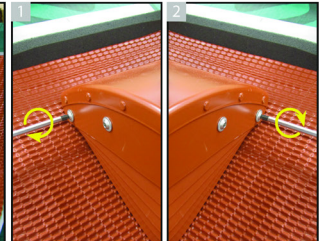


Tighten both screws awayside of the roof

### J Adjust slats and tighten



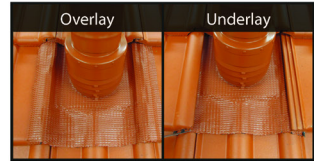
Distribute slats evenly



Tighten both screws nearside of the roof

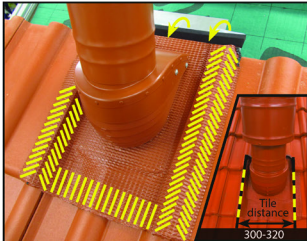
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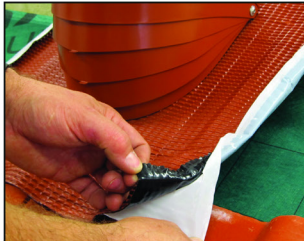


A<sub>1</sub>

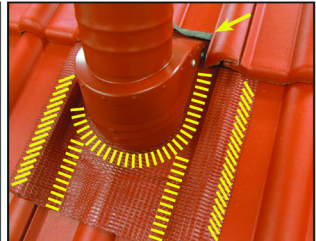
Overlay



Fold (yellow arrow) and form universal tile as needed (grey arrow)



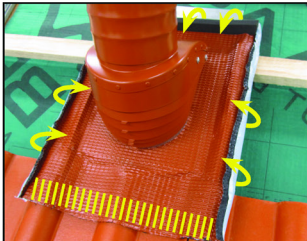
Remove protective foil  
The basis must be dry and free from dust and grease. The processing temperature must be at least +5°C.



Press the universal tile firmly (grey arrow) onto the original tile. Cover with original tile. Cut original tile if needed (yellow arrow)

A<sub>2</sub>

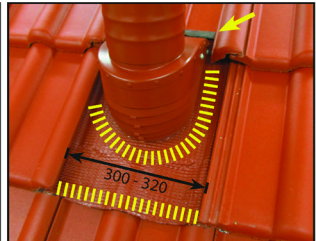
Underlay



Fold 3 sides invert (yellow arrow) and form universal tile as needed (grey arrow)



Remove protective foil  
The basis must be dry and free from dust and grease. The processing temperature must be at least +5°C.



Press the universal tile firmly (grey arrow) onto the original tile. Cover with original tile. Cut original tile if needed (yellow arrow)



## Designer steep roof hood

- Installation of roof hood
- Universal tile cover (overlay/underlay)
- Original tile cover
- Special variants (plain tile, slate, etc.)



| A                                                                                                         | B                                                                                                                                                                                                                     | C                                                                                                                                                                                                                                                 | D                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Folding and form</b><br><p>Fold 3 sides invert (yellow) and form universal tile as needed (yellow)</p> | <b>Remove protection foil</b><br><p>Remove protection foil<br/>The basis must be dry and free from dust and grease. The processing temperature must be at least +5°C. Stretch factor of 20% (F2) to 30% (pleated)</p> | <b>Measure cutout</b><br><p>1. Hold a straight edge to the lower edge of the tile<br/>2. Measure x (e.g. <math>x = 14 \text{ cm}</math>)<br/>3. Measurement <math>y = x - 1 \text{ cm}</math><br/>(here: <math>14 - 1 = 13 \text{ cm}</math>)</p> | <b>Draw point P</b><br><p>● <b>Point P</b> (here: <math>y = 13 \text{ cm}</math>)<br/>Measure distance over center line from lower tile edge and mark Point P <math>y = x - 1 \text{ cm}</math></p> |

| E                                                                                                                                                                                                                                        | F                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Preparation (cut)</b><br><b>HERE: processing on the floor</b><br><p>1. Determine centerline a - a and keep lath distance<br/>2. Apply templet on point P<br/>3. Marke tile using templet<br/>4. Reproduce the rest of the overlay</p> | <b>Original tile cut (e.g. Frankfurt tile)</b><br><p>1. Rough cut (above)<br/>2. Rough cut (below)<br/>3. Fine cut<br/>4. Fine cut<br/>5. Fine cut<br/>6. Fine cut</p> |

| G                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------|
| <b>Cover tiles</b><br><p>e.g. Frankfurter tile    e.g. Tegalit    e.g. Creaton    e.g. Plain tile    e.g. Slate</p> |



## Designer steep roof hood

- Installation of roof hood
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|                                                                                                                                                                                                                                                        |                                                                                                                     |                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>A</b> Special variant <b>with laths</b> e.g. plain tile</p> <p>cut both sides equal      install change (if needed)</p> <p>Cutout <math>\geq 260</math> mm      Cutout <math>\geq 350</math> mm</p>                                              | <p><b>B</b> Measure cutout</p>                                                                                      | <p><b>C</b> Draw point P<br/>On roof or see better (B)</p> <p>● = Point P (here: <math>y = 13</math> cm)<br/>Measure distance over center line from lower tile edge and mark Point P <math>y = x - 1</math> cm</p> |
| <p>1. Hold a straight edge to the lower edge of the tile<br/>2. Measure x (e.g. <math>x = 24</math> cm)<br/>3. Measurement <math>y = x - 1</math> cm (here: <math>24 - 1 = 23</math> cm)</p>                                                           |                                                                                                                     |                                                                                                                                                                                                                    |
| <p><b>D</b> Preparation (cut)<br/>HERE: Processing on the floor</p> <p>1. Determine line a - a and keep lath distance<br/>2. Draw point P (here: <math>y = 23</math> cm)<br/>3. Mark tile using templet<br/>4. Reproduce the rest from the overlay</p> | <p><b>E</b> Plain tile coverage</p> <p>Partly remove mounting noses, if needed and if necessary, screw on tiles</p> |                                                                                                                                                                                                                    |
| <p>1. Determine line a - a and keep lath distance<br/>2. Draw point P (here: <math>y = 23</math> cm)<br/>3. Mark tile using templet<br/>4. Reproduce the rest from the overlay</p>                                                                     |                                                                                                                     |                                                                                                                                                                                                                    |
| <p><b>Z<sub>1</sub></b> Special variants <b>without laths</b> e.g. slates, ...</p> <p>Preparation of roof hood</p> <p>1. Detach fixing brackets<br/>2. Bend bridge up<br/>3. Adhesion of the collar<br/>4. Screw on the roof hood (3 screws)</p>       | <p><b>Z<sub>2</sub></b> Slate roof tiles</p> <p>e.g. Old-German variant</p>                                         |                                                                                                                                                                                                                    |
| <p>1. Detach fixing brackets<br/>2. Bend bridge up<br/>3. Adhesion of the collar<br/>4. Screw on the roof hood (3 screws)</p>                                                                                                                          |                                                                                                                     |                                                                                                                                                                                                                    |

