SOLUTIONS BASE

GUIDE TO PLANNING AND EXECUTION

ISOCELL

BASE SOLUTION FOR AUSTRIA AND GERMANY

DESIGN MINIMUM HEIGHT BASE CONNECTION WALL AREA

These details are for Austria and Germany but can be used in other countries if so desired - do check you local regulations

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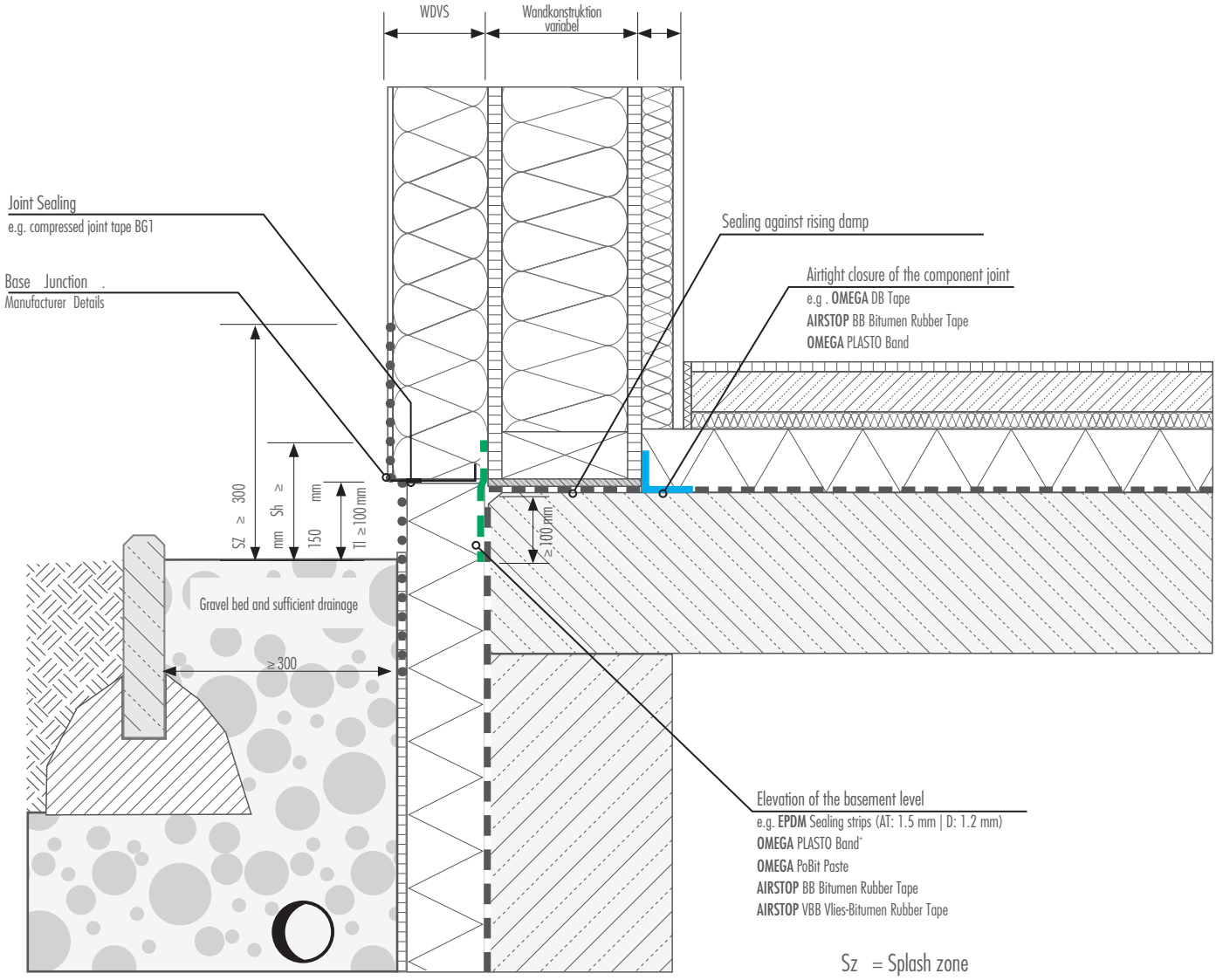
External wall thermal insulation composite system (ETICS) Guideline base connection in timber house construction (HFA)



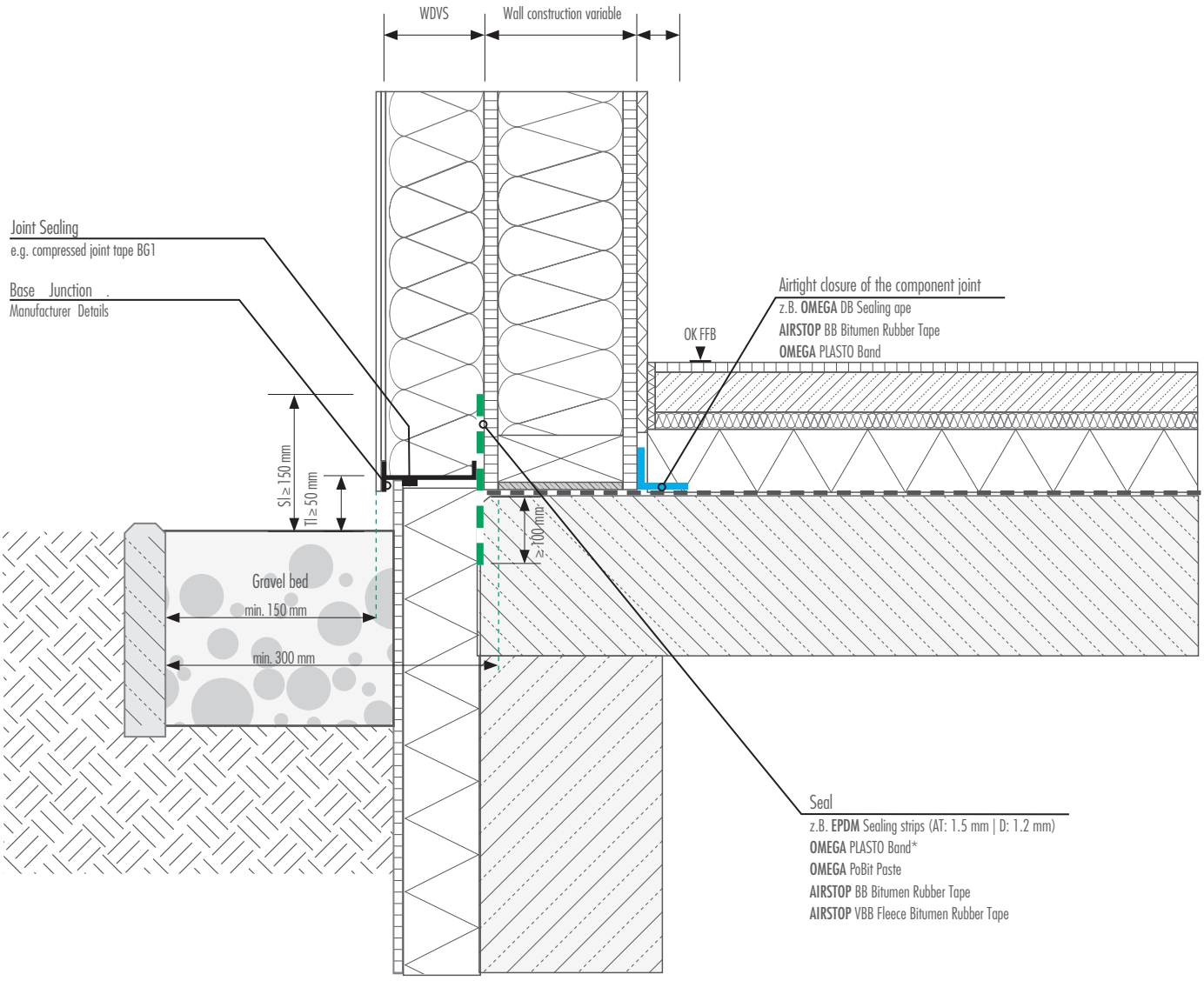
Sz = Splash zone

Sh = Sealing height

Tl = Threshold level

External wall thermal insulation composite system

(ETICS) Leaflet Practice-oriented base training (DHV)



Sh = Sealing height

Tl = Threshold level

*Germany: The solutions presented have proven themselves in practical use, but deviate from the explanations in the DIN 18533 set of rules. These deviations must be pointed out in your offer!

ISOCELL guarantees, taking into account the system items with professional processing and compliance with the current information sheet "Practical base design according to DIN 68800 and DIN 18533-1" (DHV) for the functionality of this application.

PRODUCTS

FOR SEALING THE BASE

OMEGA DB Sealing Tape

The OMEGA DB sealing tape is used specifically for sealing the problem area at the transition from the foot sill to the concrete ceiling. Due to the high flexibility, the tape can be routed via mounting brackets without additional effort.
Thickness: 1,5 mm

OMEGA PoBit Paste
Ready-to-use, one-component water-based elastomeric bitumen waterproofing.

CE MARKINGS:
EN 15814 and EN 1504-2 according to DIN 18533 ETAG
005 UV-resistant
Can be plastered and spat over, flame retardant

OMEGA PLASTO Tape
The OMEGA PLASTO tape is an elastic butyl adhesive tape with a fleece carrier that can be plastered over and painted over. The adhesive surface is equipped with an asymmetrically divided liner. The liner division enables careful execution in transition and corner areas.
Thickness: 0.8mm
Can be plastered and spat over

Technical details - processing photos

EPDM sealing strips
The elastomer sealing strip is based on rubber EPDM and has a structured surface that ensures optimal adhesion on both sides.
According to DIN 18533
Thickness: 1.2mm

AIRSTOP VBB Fleece Bitumen Rubber Tape
Adheres optimally to a wide variety of substrates and is used especially for sealing the problem area of the transition from the foot sill to the concrete ceiling. It is also suitable for sealing joints, penetrations, ridges and valleys in the roof area, especially with MDF and soft wood fiber boards.
Sealing membrane according to DIN EN 13969
According to DIN 18533
Thickness: 1.5mm

AIRSTOP BB Bitumen Rubber Tape
Adhesive tape with self-adhesive, permanently elastic bitumen rubber mass. Especially suitable for sealing the transition from the footstep to the concrete ceiling and sealing MDF and soft wood fiber boards in the roof area at joints and ridges / valleys.
Sealing membrane according to DIN EN 13969
According to DIN 18533
Thickness: 1.5mm

Test result backwater test

- Driving rain tightness when new and after aging: Driving rain tight up to 600 Pa

- Wind resistance test:
  Wind resistance at 200 cycles and
  Pressure-suction load of ± 1000 Pa given

- Resistance to temperature changes with frost:
  no damage or water ingress detected

- Backwater tightness against accumulating water:
  no water ingress above the impermeable water level (= "sealing")
  detected for 30 minutes after reaching the maximum water level

- Opening the backwater connection:
  no water ingress and no detachments, adhesion problems, discolorations

OMEGA PLASTO Tape

OMEGA PoBit Paste

GEPRÜFT: STAUWASSERDICHT

OMEGA PLASTO Tape was developed in combination with the OMEGA PoBit sealing pastein line with the guideline for building waterproofing - connection to floor-to-ceiling windows and doors, part 2 tested for impermeability to backwater. (HFA 2281/2019/G-BF)

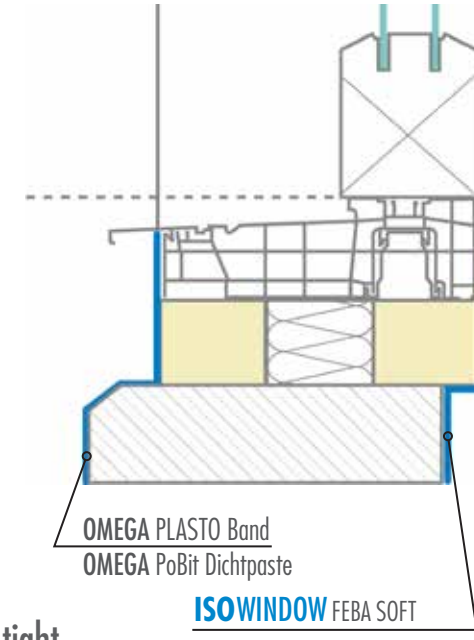
PROCESSING VIDEO

Tested & Approved Standing WATER

BACKWATER TEST

TEST AND RESULT

Maximum water level (max. WAH) The height up to which water can accumulate on window and door elements for a short period of time. The maximum water accumulation height must at least correspond to the calculated accumulation height of the emergency drainage plus a freeboard of at least 25 mm.



Backwater tight

Property of a component or a combination of components that prevents the ingress of water, even under the pressure resulting from the respective damming height results, INGRESS PREVENTED.

BUILD AIR TIGHT
WITH SYSTEM GUARANTEE

- ISOCELL cellulose insulation
- Roof and facade membranes
- Vapour barriers
- Adhesive tapes
- Adhesives, sealants, primers
- and many more.

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