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WECAL Corner angles and fillings

Acoustic, fire-safe and thermal insulation for flat and low sloped roofs

General

The corner angles in battens and full corners as fillings for vertical edge work on flat and low sloped roofs from WECAL have been developed as an acoustic, fire-safe and thermal solution for simple execution of waterproofing work for works at upstands with sharp corners.

The fillings hollow as battens and full as corners are normally placed in the corner of the roof edge, if possible on the existing thermal insulation. Creating a corner in the roof edge makes it possible to apply the roof covering without tension and ensures that there is no standing water in the edge.

The application of an extra corner angle in batten or full corner also provides extra insulation on site that can also absorb movements from the substrate.

Depending on the type of roof covering to be applied, the mastic corners and battens are available in rigid polyisocyanurate foam (PIR) or rigid pressed mineral wool. The fillings are supplied as standard with a slope angle of 45°, but can also be provided with a different angle on a project basis.

Dimensions

The angled corners and battens as fillings are cut to size in the WECAL production from standard PIR roof boards or mineral wool boards. The standard lengths are thus determined by the panel dimensions. The height of the full angled corners or the length/thickness of the hollow battens is determined by the thickness of the insulation panel to be cut.

Technical specifications

The basic material of the angle battens and corners consists of rock wool insulation with a fire class A1 according to EN13501 or rigid PIR foam. Depending on the application, dimensions can be chosen from 50 to 200 mm height, in hollow or solid design. At the location of fire walls, the angle corners and battens can be combined with profile fillings and fire bulkheads for fire-safe details with improved sound absorption.

Characteristics rockwool angle battens and corners*	Value	Unit
Density	130	kg/m^3
Thermal conductivity coefficient λ_D	0,038	W/m.K
Reaction to Fire class	A1	
Compressive strength	50	kPa

Characteristics PIR angle battens and corners*	Value	Unit
Density	32	kg/m^3
Thermal conductivity coefficient λ_D	0,022	W/m.K
Reaction to Fire class	E/F	
Compressive strength	150	kPa

(*) These products are tested according to the standards stated in the CE DOP.
For questions about the application area, dimensions and processing: **contact WECAL Production.**

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Deliveries

Depending on the type of insulation chosen, the mastic cladding can be delivered on pallets and/or wrapped in plastic foil and can be ordered based on minimum quantities. You can assume the following standard dimensions available from 100 pieces/order:

Dimensions corner angles hollow battens PIR	Length (mm)	Unit
Hollow batten 50 x 50 x 30 mm	1200	pcs
Hollow batten 100 x 100 x 30 mm	1200	pcs
Hollow batten 150 x 150 x 30 mm	1200	pcs
Hollow batten 100 x 100 x 50 mm	1200	pcs
Hollow batten 150 x 150 x 50 mm	1200	pcs
Dimensions full angle corners PIR	**Length (mm)**	**Unit**
Full corner 50 x 50 x 70 mm	1200	pcs
Full corner 70 x 70 x 100 mm	1200	pcs
Full corner 100 x 100 x 140 mm	1200	pcs
Full corner 150 x 150 x 200 mm	1200	pcs

Dimensions corner angles hollow battens rockwool	Length (mm)	Unit
Hollow batten 50 x 50 x 30 mm	1000	pcs
Hollow batten 100 x 100 x 30 mm	1000	pcs
Hollow batten 150 x 150 x 40 mm	1000	pcs
Hollow batten 100 x 100 x 50 mm	1000	pcs
Hollow batten 150 x 150 x 50 mm	1000	pcs
Dimensions full angle corners rockwool	**Length (mm)**	**Unit**
Full corner 30 x 30 x 43 mm	1000	pcs
Full corner 40 x 40 x 56 mm	1000	pcs
Full corner 50 x 50 x 70 mm	1000	pcs
Full corner 100 x 100 x 140 mm	1000	pcs

WECAL Production also has the possibility to saw other types of angle battens and corners as fillings from insulation boards.
Also for PIR insulation a specific type of facing can be chosen as finishing (MG/BG/ALU).
For questions regarding the possibilities, dimensions, quantities and delivery times we advise you to **contact WECAL Production.**