

W-DD-N INSULATION ANCHOR

80

Anchor dimensions: W-DD-N Insulation Anchor; plate dia. 60 mm						
Designation	Total length L [in mm]	Insulating material thickness ¹⁾ h _D [in mm]	Approval according to ETAG 014	Art. No.	P.	Color
W-DD-N 60/120	120	80	ETA-12/0407	5921 308 120	200	Yellow
W-DD-N 60/140	140	100		5921 308 140	200	Green
W-DD-N 60/160	160	120		5921 308 160	200	White
W-DD-N 60/180	180	140		5921 308 180	200	Orange
W-DD-N 60/200	200	160		5921 308 200	150	Brown
W-DD-N 60/220	220	180		5921 308 220	100	Blue
W-DD-N 60/240	240	200		5921 308 240	100	Red
W-DD-N 60/260	260	220		5921 308 260	100	Green
W-DD-N 60/280	280	240		5921 308 280	100	White
W-DD-N 60/300	300	260		5921 308 300	100	Gray

¹⁾ When taking a tolerance of 10 mm into account (e.g. for insulating material adhesive). With old buildings, any layer of plaster still existing can result in a reduction in the maximum insulating material thickness. The respective local building situation must always be taken into account.

Anchor dimensions: W-DD-B Damping Disk				
Designation	Diameter	Approval according to ETAG 014	Art. No.	P.
W-DD-B 90	90	ETA-12/0407	5921 301 090	200
W-DD-B 110	110		5921 301 110	200
W-DD-B 140	140		5921 301 140	150

Characteristic installation values: Concrete and masonry		
Anchor diameter [in mm]		W-DD-B 8
Nom. drill dia.	d ₀ [in mm]	8
Drill cutting dia.	d _{cut} ≤ [in mm]	8.45
Drilled hole depth	h ₁ ≥ [in mm]	40
Effective anchoring depth	h _{ef} [in mm]	30
Minimum component thickness	h [in mm]	100
Minimum axial spacing	s _{min} [in mm]	100
Minimum edge spacing	c _{min} [in mm]	100

Performance data:					
Brick type	Raw density class [kg/dm ³]	Minimum compressive strength [N/mm ²]	Central tensile load ¹⁾ N _{perm} [kN]	Point-related average heat transition coefficient (CHI value) [W/K]	Plate stiffness [kN/mm]
Concrete C12/15			0.43	0.002	1.24 ²⁾
Concrete C16/20 – C50/60			0.54		
Solid sand-lime brick, KS, e.g. according to DIN V 106/EN 771-2	> 1.8	12	0.54		
Clay brick, Mz, e.g. according to DIN 105-100/EN 771-1	> 1.7	12	0.54		
Vertically perforated brick, HLz, e.g. according to DIN 105-100/EN 771-1 Outside bar thickness ≥ 12 mm	> 1.0	12	0.32		
Perforated sand-lime brick, KSL, e.g. according to DIN V 106/EN 771-2 Outside bar thickness ≥ 22 mm	> 1.4	12	0.43		
Light concrete hollow block, e.g. according to DIN 18151-100/EN 771-3 1K Hbl 2-0.8-12, 495x175x248	> 0.8	2	0.21		
Vertically perforated brick e.g. according to ÖNORM B6124 Outside bar thickness ≥ 10 mm	> 0.9	12	0.27		
Light concrete solid block, Vbl 2, e.g. according to DIN V 18152-100/EN 771-3	≥ 0.8	2	0.21		

¹⁾ The part safety coefficients of the resistances regulated in the approval and a part safety coefficient of the effects of γ_F = 1.4 have been taken into account.

²⁾ The load-bearing capacity of the anchor plate is 1.75 kN (this value does not apply to the measurement of the anchoring base)