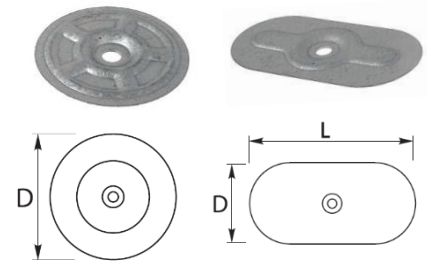


## DVP

### INSULATION DECKING PLATES

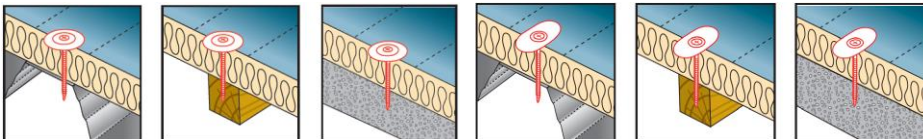


### PRODUCT DESCRIPTION

Insulation decking plates made of steel sheet, covered with aluminum-zinc corrosion coating.

### APPLICATION

Designed for fastening insulation materials on flat roof applications, in combination with insulation screws.



### LENGTH

ROUND FLAT			
Fastener type	Dimensions		
	D [mm]	H [mm]	d [mm]
DVP	40	1,00	7,00
DVP	50	1,00	7,00
DVP	70	1,00	7,00

OVAL FLAT				
Fastener type	Dimensions			
	D [mm]	L [mm]	H [mm]	d [mm]
DVP	40	80	1,00	7,00

ROUND RECESSED			
Fastener type	Dimensions		
	D [mm]	H [mm]	d [mm]
DVP	50	1,00	7,00
DVP	70	1,00	7,00

OVAL RECESSED				
Fastener type	Dimensions			
	D [mm]	L [mm]	H [mm]	d [mm]
DVP	40	80	1,00	7,00

## NATIONAL TECHNICAL ASSESSMENT ITB-KOT-2018/0706

### LOAD BEARING CAPACITY OF PULL-OUT RESISTANCE:

Fastener	Plastic tubes	Substrate	Embedment depth [mm]	Drill hole diameter [mm]	Characteristic load [kN]	Designed load [kN]
<b>GTS-S + UZK</b>	DVP	Concrete class min. C12/15	60 (In the case of concrete trough plates 50-60 mm - through assembly)	7,5	1,13	0,57
<b>GTHD</b>	DVP		30,0	5,0	1,58	0,79
<b>GTS-S</b>	DVP	Wood class min. C24	20,0	-	1,57	0,79
<b>GTHD</b>	DVP		30,0	-	1,58	0,79
<b>GTS-S</b>	DVP	OSB thick. 18 mm p > 625 kg/m <sup>3</sup>	18,0 mm (through assembly)	-	1,57	0,79
<b>GTHD</b>	DVP		18,0 mm (through assembly)	-	1,58	0,79
<b>GTS-S</b>	DVP	Fiber-cement board (thick. 5 mm)	5,0 (through assembly)	4,0	0,77	0,58
<b>GTHD</b>	DVP			5,0	1,58	1,19

Concrete in accordance with standard PN-EN 206:2014

Wood in accordance with standard PN-EN 14081-1+A1:2011

OSB in accordance with standard PN-EN 300:2007

Fiber-cement board in accordance with standard PN-EN 494+A3:2009

## LOAD BEARING CAPACITY OF PULL-OUT RESISTANCE IN STEEL BASE:

Fastener	Plastic tubes	Substrate	Thickness of steel base [mm]	Characteristic load [kN]	Designed load [kN]
GTS-S	DVP	steel grade S280GD	0,50	0,72	0,54
			0,63	0,97	0,73
			0,75	1,13	1,00
			0,88	1,18	1,04
GTS-B	DVP	steel grade S280GD	0,75	1,01	0,76
			0,88	1,11	0,76
			1,00	1,59	0,76
			1,25	1,59	0,76

Steel sheet S280GD in accordance with standard EN 10346

## EUROPEAN TECHNICAL APPROVAL ETA-12/0149

### CHARACTERISTIC LOAD BEARING CAPACITY OF PULL-OUT RESISTANCE

Characteristic load bearing capacity of pull-out resistance [kN]								
Fastener	Plastic tubes	Substrate						
		Steel sheet S280GD acc. to EN 10346						
		t ≥ 0,50 mm	t ≥ 0,63 mm	t ≥ 0,70 mm	t ≥ 0,75 mm	t ≥ 0,88 mm	t ≥ 1,00 mm	t ≥ 1,25 mm
GTS-S 4,8xL	DVP	0,72	0,97	0,97	1,13	1,18	1,18	1,18
GTS-B 4,8xL	DVP	-	-	1,08	1,08	1,11	1,59	1,59
GTSX-B 4,8xL	DVP	-	-	-	1,01	1,11	1,59	1,59

To define a design load should divide the value of the characteristic load by a safety factor  $\gamma_m = 1,33$ .

Characteristic load bearing capacity of pull-out resistance [kN]					
Fastener	Plastic tubes	Substrate			
		Concrete acc. To EN 206-1		Embedment depth [mm]	Drill hole diameter [mm]
		C12/15	C20/25		
GTHD 6,3xL	DVP	1,58	1,58	30,0	5,0
GTS-S 4,8xL MQ 8x40	DVP	1,13	1,13	40,0	8,0
GTS-S 4,8xL U-ZK 8x57	DVP	1,13	1,13	60,0	8,0

To define a design load should divide the value of the characteristic load by a safety factor  $\gamma_m = 1,33$ .

Characteristic load bearing capacity of pull-out resistance [kN]				
Fastener	Plastic tubes	Substrate		
		Fibre-cement profiled sheets acc. to EN 494	Embedment depth (thickness of fibre-cement profiled sheets) [mm]	Drill hole diameter [mm]
<b>GTHD 6,3xL</b>	DVP	1,58	5,00	5,0
<b>GTS-S 4,8xL</b>	DVP	0,77	5,00	4,0

To define a design load should divide the value of the characteristic load by a safety factor  $\gamma_m = 1,33$ .

Characteristic load bearing capacity of pull-out resistance [kN]			
Fastener	Plastic tubes	Substrate	
		Wood acc. to EN 14081-1	Embedment depth [mm]
		$\geq C24$	
<b>GTHD 6,3xL</b>	DVP	1,58	30,00
<b>GTS-S 4,8xL</b>	DVP	1,57	20,00

To define a design load should divide the value of the characteristic load by a safety factor  $\gamma_m = 1,33$ .

Characteristic load bearing capacity of pull-out resistance [kN]			
Fastener	Plastic tubes	Substrate	
		OSB acc. to EN 300	Embedment depth (thickness of OSB) [mm]
		Density $\geq 625 \text{ kg/m}^3$	
<b>GTHD 6,3xL</b>	DVP	1,58	18,00
<b>GTS-S 4,8xL</b>	DVP	1,57	18,00

To define a design load should divide the value of the characteristic load by a safety factor  $\gamma_m = 1,33$ .

## OTHER FEATURES

BASE MATERIAL: *TRAPEZOIDAL SHEET, CONCRETE, WOOD, WOODEN MATERIALS, FIBER-CEMENT BOARD*

TUBE MATERIAL: *STEEL WITH ALU-ZINC COATING*

POSSIBILITY OF COMPLETE WITH: *GTS-B, GTS-S, GTS-S + U-ZK, GTS-S + MQ, GTHD*



ETA



DWU/DoP



KDWU



ZKP