Insulation Anchor ISA-S, ISA-Z, ISA-SP, ISA-ZP

Material
- Zinc-Plated Steel – ISA-Z
- A2 Stainless Steel – ISA-S
- ISA-S/ISA-Z + Cap – ISA-SP, ISA-ZP

Base Material
- Approved for concrete strength C 20/25 to C 50/60
- Cracked and non-cracked concrete

Product Features
- Approved for multiple fastenings of insulation panels
- High load-bearing capacity in cracked and non-cracked concrete
- Small drill holes
- Quick and safe installation

Technical Characteristics Without Fire Exposure

|			Certifix Insulation Anchor ISA
Drill Bit Diameter	d_0	[mm]	8
Depth of Drill Hole	h_1 ≥	[mm]	45
Effective Anchorage Depth	h_{ef} ≥	[mm]	40
Minimum Thickness of Member	h_{min}	[mm]	80
Edge Distance	c	[mm]	60
Spacing	s	[mm]	120
Permissible load in cracked and non-cracked concrete C20/25 – C50/60[1,2]	N_{zul}	[kN]	0.074

1) The partial safety factor for material resistance from the approval y_M = 1.5 as well a partial safety factor for load actions y_F = 1.4 were considered for determining the load

Technical Characteristics Under Fire Exposure

|			Certifix Insulation Anchor CFID
Fire Resistance Class			
R 30	**Permissible Load F**fi,per,30 1)	[kN]	0.09
R 60	**Permissible Load F**fi,per,60 1)	[kN]	0.09
R 90	**Permissible Load F**fi,per,90 1)	[kN]	0.09
R 120	**Permissible Load F**fi,per,120 1)	[kN]	0.09
R 180	**Permissible Load F**fi,per,180 1)	[kN]	0.06
R 30 – R 120	**Spacing** sfi	[mm]	120
	Edge Distance cfi	[mm]	60

1) The partial safety factor for material resistance from the approval y_M = 1.0 as well a partial safety factor for load actions y_F = 1.0 were considered for determining the load.

Installation Instructions
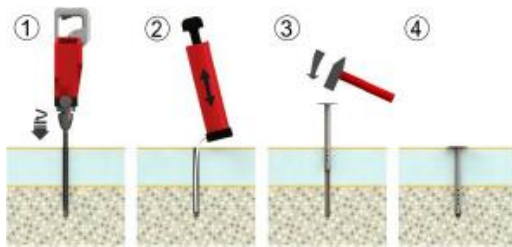
1) Set drill hole

2) Clean out drill hole from the base

3) Knock insulation fastener through the insulation panel with a hammer

4) Anchor disc must fully contact the insulation panel
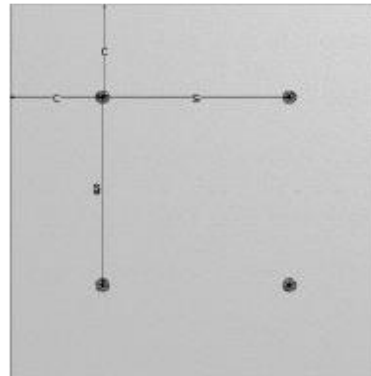
Minimum 4 anchors per square meter for insulation panel. The dimension between axes and edge distance is valid without fire exposure. Assumed that an application is forced with fire exposure.