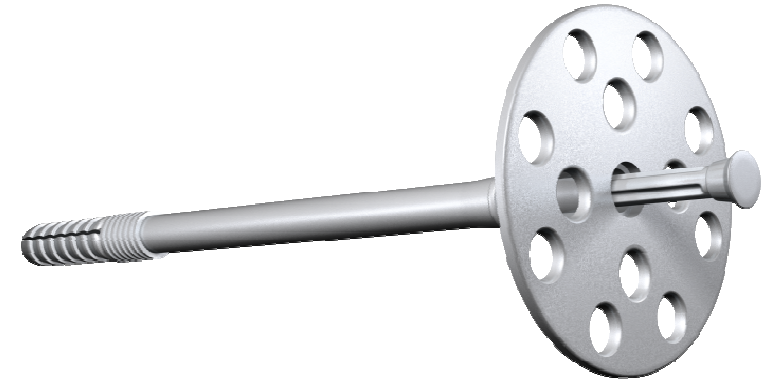


### INSTALLATION DATA

Size	Product Code	Fixing			Substrate						Fixture	
		Diameter	Length	Fixing plate diameter	Hole diameter	Min thickness	Min hole depth	Installation depth	Min spacing	Min edge distance	Thickness	
		d	l	S <sub>w</sub>	d <sub>0</sub>	h <sub>min</sub>	h <sub>0</sub>	h <sub>nom</sub>	S <sub>min</sub>	C <sub>min</sub>	t <sub>fix</sub>	t <sub>fix</sub>
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
ø10	KI-070	10	70	60	10	100	35	25	100	100	15	35
	KI-090	10	90	60	10	100	35	25	100	100	35	55
	KI-120	10	120	60	10	100	35	25	100	100	65	85
	KI-140	10	140	60	10	100	35	25	100	100	85	105
	KI-160	10	160	60	10	100	35	25	100	100	105	125
	KI-180	10	180	60	10	100	35	25	100	100	125	145
	KI-200	10	200	60	10	100	35	25	100	100	145	165
	KI-220	10	220	60	10	100	35	25	100	100	165	185



<b>Base Material</b>
Concrete
Solid brick
<b>Features</b>
<b>PLUG</b>
Impact resistant copolymer
<b>NAIL PIN</b>
Polyamide PA 6.0 (Nylon) reinforced with fibre glass

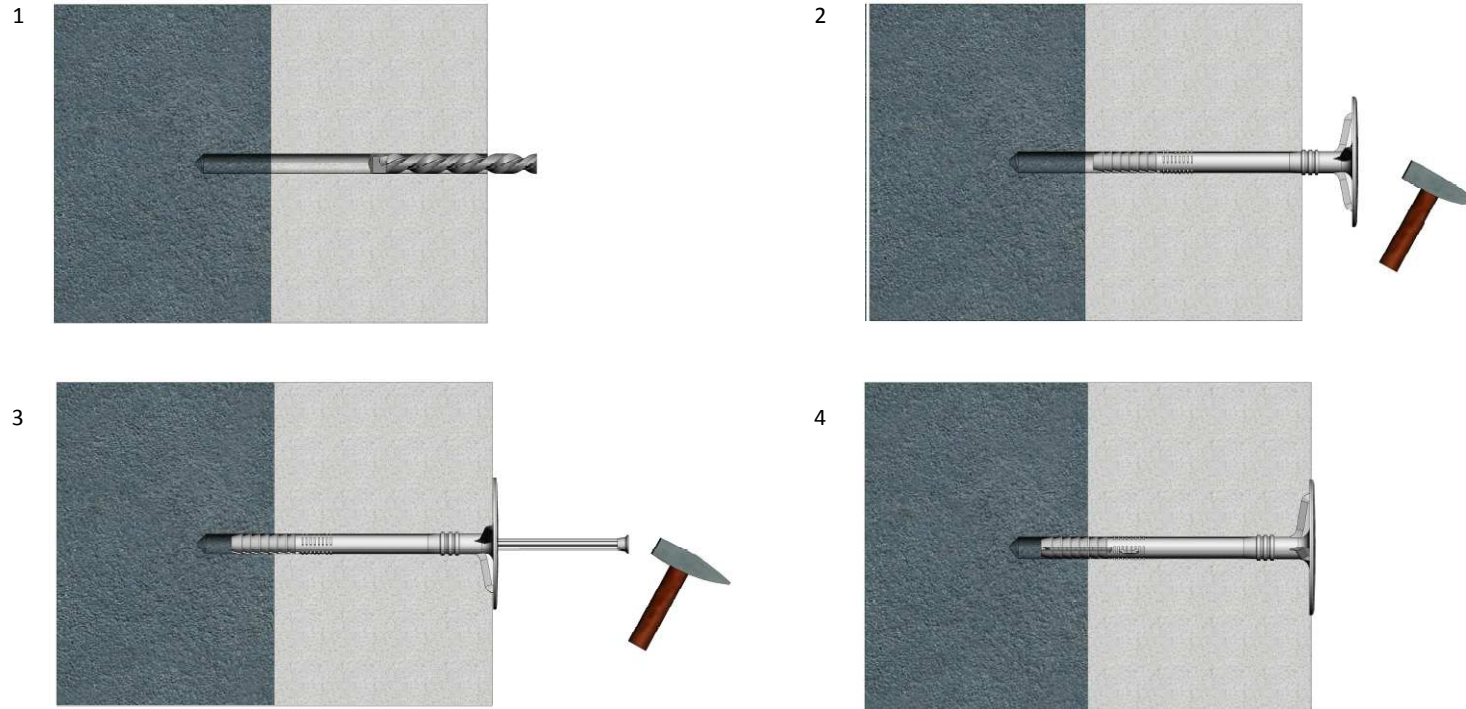
	<b>KI-10 insulation fixing with standard expansion zone for EPS installation.</b>					
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			WRITTEN BY:	Aleksandra Mielnik	DATE:	2011-09-13
			CHECKED:	Marian Bober	DATE:	2011-09-13

### PERFORMANCE DATA

Substrate			Concrete C12/15	Concrete $\geq$ C16/20	Solid brick 20MPa
Embedment depth	$h_{ef}$	[mm]	25,00	25,00	25,00
TENSION LOADS					
Characteristic resistance	$N_{Rk}$	[kN]	0,50	0,60	0,50
Design resistance $\gamma_M = 2,0^*$	$N_{Rd}$	[kN]	0,25	0,30	0,25

\* accommodate to national regulations. If unavailable, use 2,0

### INSTALLATION GUIDE



KI-10 insulation fixing with standard expansion zone for EPS installation.						
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			WRITTEN BY:	Aleksandra Mielnik	DATE:	2011-09-13
			CHECKED:	Marian Bober	DATE:	2011-09-13