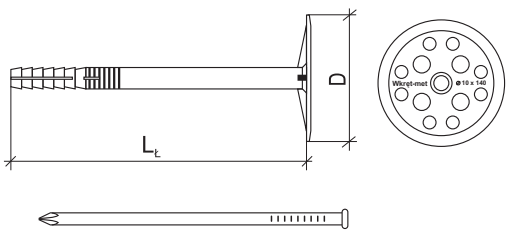


LIM ⌀10 THERMAL INSULATION PLUG WITH SHORT EXPANSION ZONE AND HAMMER DRIVEN METAL PIN, ⌀10mm

European Technical Approval
ETA-05/0225





SUBSTRATE

ETAG USE CATEGORIES: A B



CONCRETE | FULL CERAMIC BRICK

INSULATION TYPE



POLYSTYRENE FOAM | EXTRUDED POLYSTYRENE | MINERAL WOOL | MINERAL WOOL LAMELLA

* with support washer TDX-140

MATERIAL AND COATING:

Plug - impact-resistant polypropylene
Pin - zinc plated carbon steel with polyamide covered head

PRODUCT RANGE

Code	Diameter & length of the plug $d_1 \times L_L$ [mm]	Insulation material thickness BUILDING NEW*	OLD**	Pcs per pack
LIM10070	10 x 70	20	-	200
LIM10090	10 x 90	40	20	200
LIM10110	10 x 110	50	30	200
LIM10120	10 x 120	60	40	200
LIM10140	10 x 140	80	60	200
LIM10160	10 x 160	100	80	200
LIM10180	10 x 180	120	100	200
LIM10200	10 x 200	140	120	200
LIM10220	10 x 220	160	140	100
LIM10260	10 x 260	200	180	100

* - 10 mm adhesive
** - 10 mm adhesive and 20 mm old render

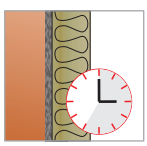
TECHNICAL DATA

Drilled hole diameter	⌀ 8 mm
Anchorage depth	45 mm
Drilled hole depth	60 mm
Washer diameter	⌀60 mm
Pin type	metal

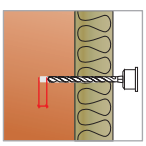
RESISTANCE

Substrate	Standard	Characteristic pull-out resistance [kN]
concrete C12/15	EN 206-1	0.3
concrete C16/20-C50/60	EN 206-1	0.5
full ceramic brick	EN 771-1	0.4

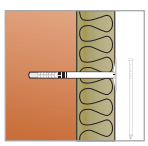
INSTALLATION METHOD

1 

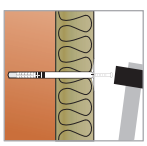
start fastener installation after the adhesive that bonds insulation boards has cured

2 

drill holes 10mm deeper than the fastener embedment depth

3 

do not install the plug with the pin; insert the plug first until washer rests against the insulation

4 

fix the pin by hammering gently until full expansion, i.e. when the head is level with washer surface