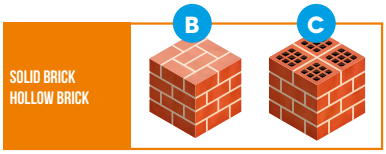
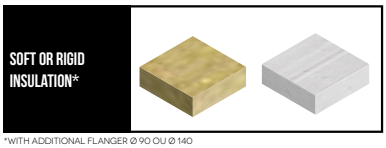
LONG EXPANSION INSULATION PLUG
FOR MASONRY

MATERIAL:





*WITH ADDITIONAL FLANGER Ø 90 OU Ø 140

European Technical Assessement
CE ETA
ETA - 06/0105

FEATURES

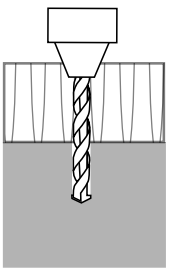
Material:

- Plug with washer = Polypropylene
- Expansion nail = Fiberglass polyamide
  Black nail for length 140-160mm
  Beige nail for length 180-300mm

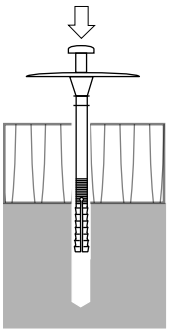
Caracteristics:

1. Simple and fast setting through the insulation
2. Suitable for masonry: ETA for solid and hollow masonry
3. Long expansion: excellent resistance in solid masonry ( ) and hollow masonry ( )
4. Fiberglass reinforced nail, rigid and performant
5. Zero thermal conductivity ( )
6. Can be assembled to diam 90 washers (FI90) and diam 140 (FI140) for soft insulation
7. Wide range: insulation 60-220mm thickness

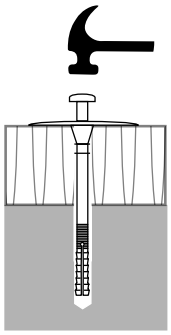
INSTALLATION



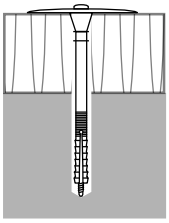
1) Drill the support Ø10.



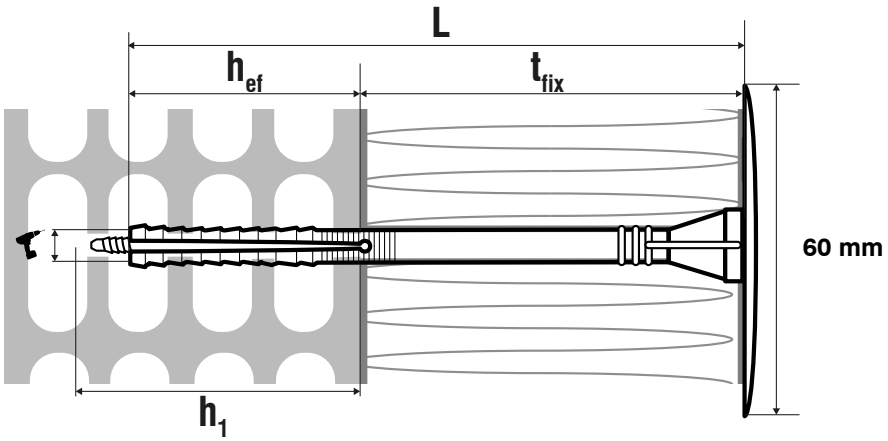
2) Insert the plug through the insulant.



3) Set by tapping the nail with a hammer (2-3 strokes).

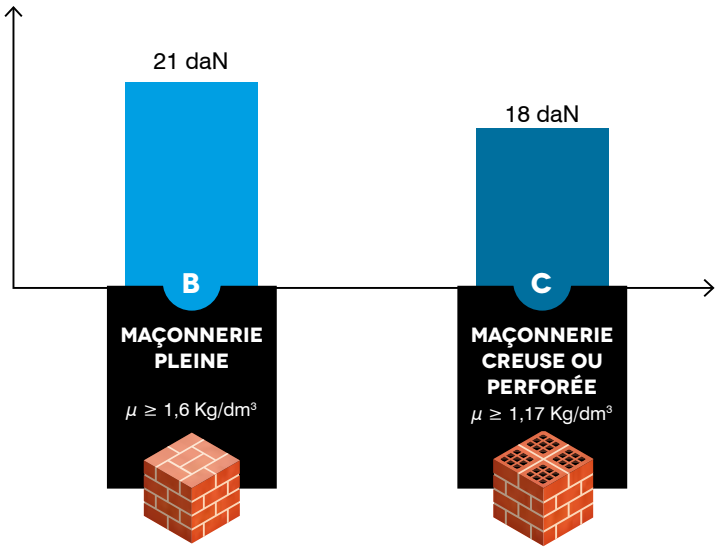


4) Anchorage depth 80mm. In rennovation structural layers such as glue or coating are included in the anchorage length of the plug.



L	THICKNESS TO FIX MAX t_{fix}	d_{cut}	h_{ef}	h_1	Ref	
140	60	10	80	90	**FILONG10140**	200
160	80	10	80	90	**FILONG10160**	200
180	100	10	80	90	**FILONG10180**	200
200	120	10	80	90	**FILONG10200**	200
220	140	10	80	90	**FILONG10220**	100
260	180	10	80	90	**FILONG10260**	100
300	220	10	80	90	**FILONG10300**	100

RECOMMENDED LOADS



Are calculated based on the values indicated in the ETA with application of security coefficients:

- Partial coefficient of security of material $\gamma_M = 2,0$
- Partial coefficient of action $\gamma_f = 1,4$

For more precisions concerning the nature and features of the support materials please see ETE n°06/0105.