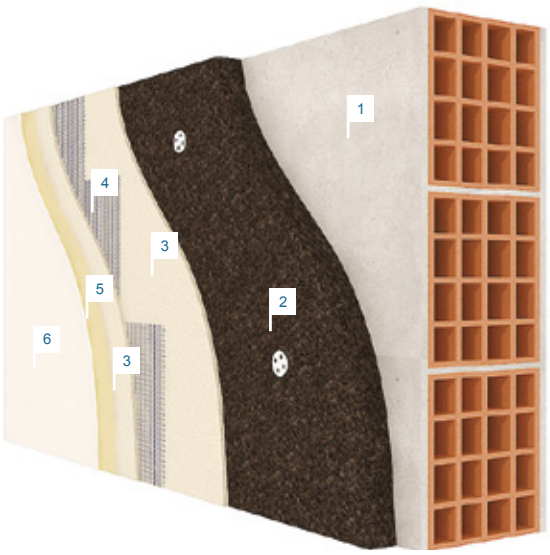
Facade insulation

EXPANDED CORK BOARD - ICB PROVIDES EXCELLENT THERMAL INSULATION AND SOUDPROOFING WHEN APPLIED OUTDOORS

Along with other components such as adhesive, framing and plastering, it provides an easy, modern and more economical finish which can be used on old and recent constructions. This facade lining and insulation system is characterized by: saving energy, reduction in thermal bridges, increase in thermal inertia, reduction in wall thickness, improvement in wall impermeability, reduction in condensation risk, increase in facade durability and facade rehabilitation without disturbing its occupants.

ETICS SOLUTION

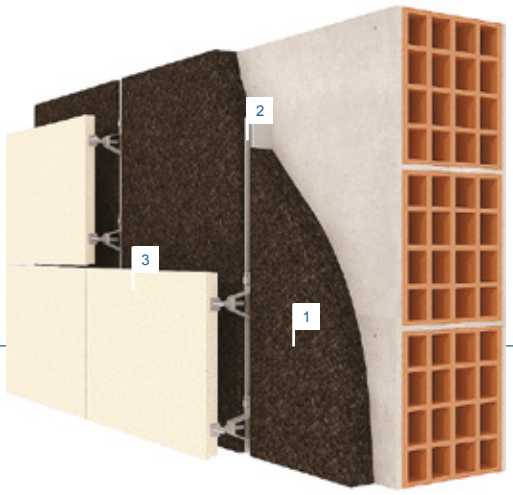


AVERAGE "K" COEFFICIENT VALUES (IN W/m² °C)				
	K WITH INSULATION/THICKNESS			
Wall characteristics	**e=4cm**	**e=5cm**	**e=6cm**	**e=8cm**
Ceramic brick 22	**0,580**	**0,529**	**0,450**	**0,370**
Stone >40 t<60	**0,740**	**0,675**	**0,540**	**0,420**
Light concrete block t = 20	**0,580**	**0,529**	**0,450**	**0,370**
Normal concrete block t = 20	**0,650**	**0,593**	**0,490**	**0,400**
Reinforced concrete <10 t< 20	**0,790**	**0,721**	**0,560**	**0,440**

1. Wall 2. Expanded cork board - ICB 3. Roughtcast 4. Fibre net 5. Primer 6. Final finish

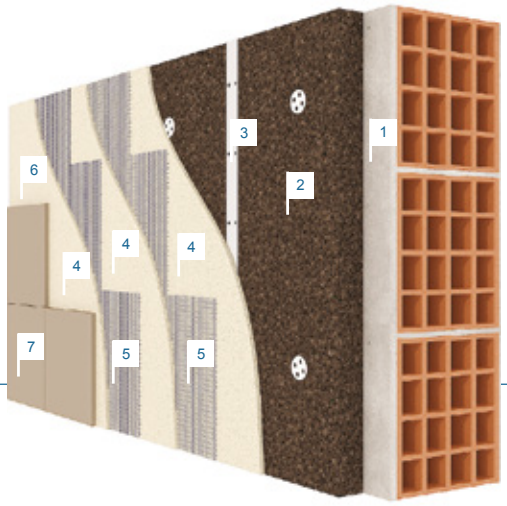
Facade insulation

VENTILATED FACADE



1. Expanded Cork board - ICB
2. Risers
3. Stone lining

POLYSTERM SOLUTION



1. Wall
2. Expanded Cork board - ICB
3. Polyethylene profile
4. Bar
5. Fibre glass net
6. Primer
7. Final finish (ceramic or paint)

Benefits

Usage temperature: -180ºC to + 140ºC	**Good dimensional stability**
Overhead noise insulation (wall 22 cm + 5 cm cork) = 50 dB (LNEC test)	**Fire resistance**
Excellent thermal delay	**Resistance to impact/drilling**

isocor