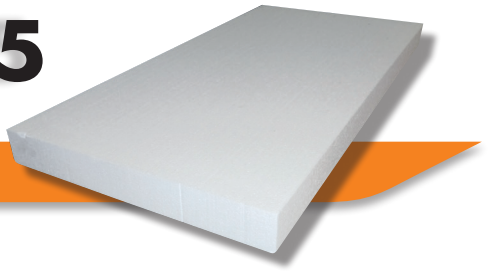
PRB ISO SOUB TH35



STRAIGHT-EDGED INSULATION FOR UNDERGROUND WALLS & BASEMENTS

The + s of PRB ISO SOUB TH35

- Underground walls
- Basements

SAFETY MEASURES, TRANSPORT, WASTE TREATMENT: see SDS.
STORAGE: see SDS.

COLOUR: White

APPLICATIONS

USES

- High density polystyrene panels with straight edges, cut from white EPS blocks.
- Specially designed for insulating underground walls and foundations with a crawl space or directly on soil (Category 3 walls) according to DTU 20.1.

APPLICATION:

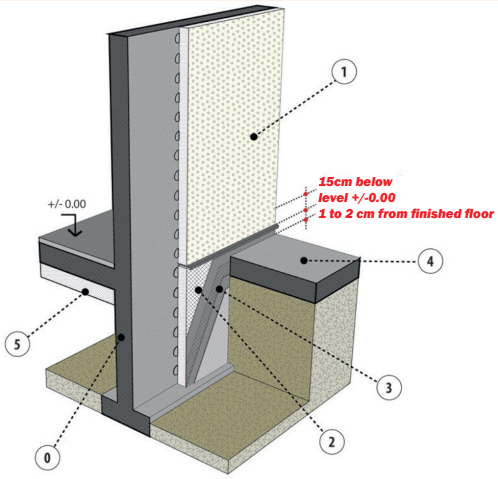
FOR ETI (EXTERNAL THERMAL INSULATION) ON UNDERGROUND WALLS:

- Glued to underground walls with **PRB FONDISOL F, PRB THERMICOL or cold-applied bituminous adhesive.***

* Walls with a cold-applied bituminous emulsion protection.

FOR INSTALLATION, SEE:

- CPT 3035 and others as well as the rules and standards in force, in particular:
- the provisions in the ETI technical catalogue for underground walls.



0 3rd category walls adjoining the crawl space.
1 **ITE PRB Thermolook.**
2 **PRB ISO SOUB TH35 (white)** high density panels for insulating underground basement walls, glued with **PRB THERMICOL or PRB FONDISOL** if a bituminous emulsion or EIF has previously been applied to the wall.
3 Application of 2 layers of **PRB FONDISOL F** reinforced with **PRB AVN** fibreglass, covered with **two contrasting layers of PRB MORTIER for waterproofing.**
4 Outdoor concrete terrace.

TECHNICAL CHARACTERISTICS

- Insulating panels of 1200 x 600 and thickness of 20 to 300mm.
- Acermi certificate: **no.16/201/1127**
- Thermal conductivity W/(m.K): 0.035
- Reaction to fire: Euroclass E.

Thermal Resistance											
Thickness (mm)	20	30	40	50	60	70	80	90	100	110	120
R (m².K/W)	**0.55**	**0.85**	**1.10**	**1.40**	**1.70**	**2.00**	**2.25**	**2.55**	**2.85**	**3.10**	**3.40**
Thickness (mm)	130	140	150	160	170	180	190	200	210	220	230
R (m².K/W)	**3.70**	**4.00**	**4.25**	**4.55**	**4.85**	**5.10**	**5.40**	**5.70**	**6.00**	**6.25**	**6.55**
Thickness (mm)	240	250	260	270	280	290	300				
R (m².K/W)	**6.85**	**7.10**	**7.40**	**7.70**	**8.00**	**8.25**	**8.55**				

- Other certified characteristics:

Thickness tolerance	**T2**
Tensile strength perpendicular to the faces	**TR180**
Water vapour transmission	**MU30-70**
Compressive strength	**CS(10)100**

- ISOLE use profile:

Suitability for use	Compression	Dimensional stability	Reaction to water	Cohesion	Water vapour permeability
Thicknesses (mm)	I	S	O	L	E
from 20 to 30	3	5	3	4	2
from 40 to 150	3	5	3	4	3
from 160 to 200	3	5	3	4	4
from 210 to 300	2	5	3	4	4