PCM INTERNAL UNDERFLOOR ENERGY STORAGE

Solar Collectors

Pump

Hot Water Tank

13~15°C Mains Water Intake

35°C

25°C

40~45°C

PCM CONTAINER (27°C)

PCM INTERNAL UNDERFLOOR ENERGY STORAGE

HEAT

FLOOR SCREED

PCM CONTAINER (27°C)

FLOOR

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PCM EXTERNAL
UNDERFLOOR ENERGY STORAGE

Solar Collectors

Pump

PCM ENERGY STORAGE TANK

13~15°C Mains Water Intake

Under floor Heating Circuit

Hot Water Tank

PCM PRODUCTS

www.pcmproducts.net
PCM UNDERFLOOR ENERGY STORAGE
PRODUCT OPTIONS

Passive solar heating system

Encapsulated PCM Product Options
UNDERFLOOR ENERGY STORAGE

GROUND CONDITIONS

The ground conditions have been assessed as follows: Capillary rise may be an issue. A ground slab of concrete should be provided with a minimum 100mm thick slab set at or above the ground level and to be at least 100mm into the ground. The final specification should be agreed with the Local Authority to suit the ground conditions.

FOUNDATION DETAILS

The proposed foundations are to be a minimum of 150mm thick reinforced concrete slab on grade. The final specification should be agreed with the Structural Engineer for detailing.

FOUNDATION LEVELS

The proposed foundation level will be determined by the Local Authority. The final specification should be agreed with the Structural Engineer for detailing.

GROUND FLOOR CONSTRUCTION

1. Floor slab to be cast with concrete conforming to BS EN 206.
2. 150mm thick plain concrete.
3. 150mm thick plain concrete.
4. 150mm thick reinforced concrete.
5. 150mm thick reinforced concrete.
6. 150mm thick reinforced concrete.
7. 150mm thick reinforced concrete.
8. Joints to follow detailed construction drawings.

GENERAL NOTES

1. All external finishes to be in accordance with the Client’s requirements.
2. All internal finishes to be in accordance with the Client’s requirements.
3. All external finishes to be in accordance with the Client’s requirements.
4. All internal finishes to be in accordance with the Client’s requirements.
5. All external finishes to be in accordance with the Client’s requirements.
6. All internal finishes to be in accordance with the Client’s requirements.
7. All external finishes to be in accordance with the Client’s requirements.