



For the construction of the terrace, we start with the vapour barrier, a polyethylene plastic sheet placed in contact with the slabs, on top of it we will place a layer of lean concrete to make the slope for water evacuation, not more than 1-5%. Over the slope formation we will place the insulation, 20 cm. of expanded polystyrene rigid panels, they will be not fixed because the weight of the coming tiles will be enough to keep them on place in the worst case. The next layer is the EPDM, the waterproofing membrane.

Both the EPDM and the vapour barrier are going to continue along the parimetral beam and they are going to be fixed on the top of it with a screw.

The glass wall and the floor of the classes will be installed when the terrace is done. On the floor, after the placement of the PUR, placed by projection for preventing the joint and have a better thermal insulation. Over the PUR we place the "Grupo Cecatherm" floor heating system, based on a pipe net on the floor between the PUR and the tiles, embedded on concrete. At last, we place the tiles, glued to the concrete.

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| FINAL PROJECT OF BUILDING ENGINEERING | |
| PROJECT: Sint-Barbara College - SITE PARKING | ADDRESS: Savaanstraat 98-100 B-9000 Gent |
| PLANNING: Finishing of terrace and glass wall installation | |
| STUDENT: Devis Sanjuán, Carlos | TUTOR: Peter Denle Lieve Weymeis |
| SCHOOL: KAHO Sint-Lieven - Aalst | DATE: 22/06/2012 |
| TYPE PLAN: 6 | SCALE: 1 / 50 |

