



■ Ceramic tiles / natural stone

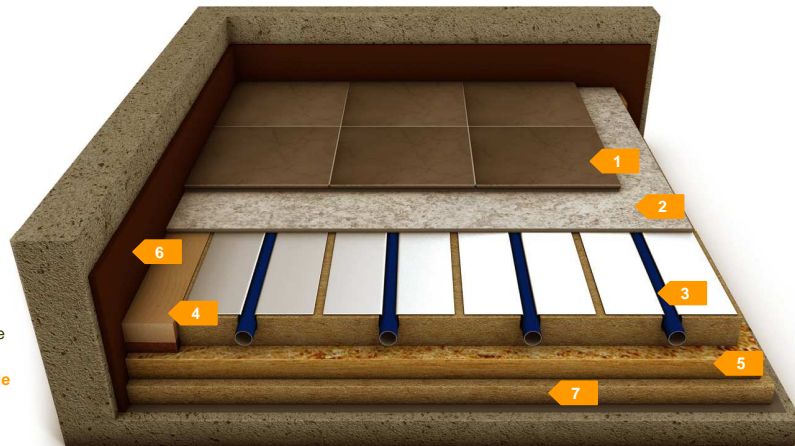
StrongBoard FL™

□ System IDEAL ECO

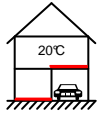


2,0 kN/m²

- 1 Tile / natural stone inc. adhesive ≥12mm
- 2 StrongBoard FL 5mm
- 3 System element ECO + pipe 30mm
- 4 Perimeter support batten
- 5 WBP ply or chipboard deck 18mm
- 6 IDEAL ECO perimeter insulation
- 7 Pavaboard, Rockfloor or similar variable
- Construction height variable



Technical Data Construction suitable for ground floor constructions

| | | | | |
|--|---|----------|--|--|
| Construction height | mm | variable | Height dependant on primary insulation | |
| Weight | kg/m ² | 53 | Weight with floor finish | |
| Thermal resistance R | m ² K/W | variable | | |
| Heat exchange coefficient | W/m ² K | variable | | |
| Live design load | kN/m ² | ≤2,0 | | |
| Point load (≥ 20cm ²) | kN | ≤1,5 | | |
| Impact sound reduction | dB | ≥ 22 | Valid on concrete floors >12cm (DIN EN 4109: m ² > 276kg/m ²) | |
| Area of application Ground floors or floors located above unheated rooms such as garages  | This construction is suitable for ground floor constructions. Overall construction height and number of layers is critical in dry installed ground floor constructions. For further assistance please contact us. | | | |
| Specific installation requirements | Substrate must be solid, level and flat so that the heating elements can lie flat. Tolerance required as per DIN 18202 table 3, group 4. Please check with your provider of insulation to check compressive strength and insulation value to height ratio. High compressive strength is a prerequisite within dry installed constructions. | | | |