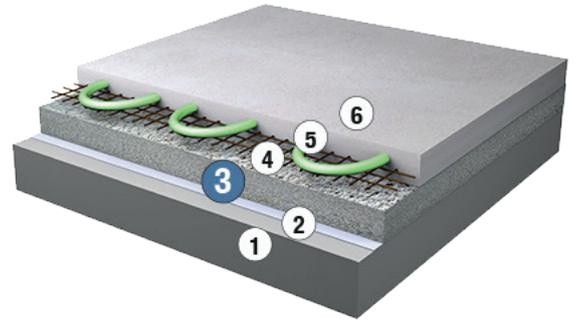


The 3 most common applications

1. Floor on concrete beams

1. Concrete beams 2. Plastic film/primer, non-durable
3. EPSCement® 4. Reinforcing mesh 5. Underfloor heating, cast into self-levelling flooring screed 6. Self-levelling flooring screed, at least 20mm



The drying time is short and the building is not supplied with moisture due to the self-drying properties. EPSCement® contains no organic material and is thus mold-free. With the concrete and the insulation in the same material there will have much less energy losses. If you then lay EPSCement® with floor heating you solely warm the mastic layer and not the whole plate as with regular concrete.

Alternative Design Solutions

- Putty directly on the concrete beams

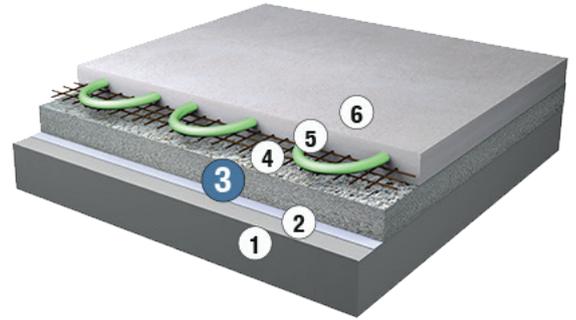
Comparison with EPSCement®: No isolation, no sound attenuation. A large increase in weight on the joists and greater consumption of bags for the same volume wet mass (also applies to similar products fincement etc.). In terms of management it is heavier per bag (20-25 kg compared with EPSCement's 17kg/bag). When damaged by water all the joists tend to absorb moisture unlike with EPSCement®, where the damage is local. With the same casting height it will be more expensive with only the mastic. The weight saving and the insulating effect means that lightweight concrete products are often provided in this construction.

- Cell plastic discs 100 mm directly on betongbjälklaget with 30 mm putty on top.

Comparison with EPSCement®: Less noise dampening. When damaged by water, the cell plastic discs and the beams absorb moisture unlike with EPSCement®, where the damage is local. Time-consuming and costly work to adapt the discs to the tubes etc. being casted into.

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Price comparison:

LEVELLING MASS WHOLE PALLET 700 CM ROUGH SCREED

20KG 48 st (whole pallet)

Price excl VAT SEK 5080,80

Price/bag excl VAT SEK 105,85

Nr of kg/m² 170

Nr of bags 8.5

Price/m². excl VAT SEK 899,725

FOAMS EPS 100 KPA

1200 mm

1200 x 600 x 100 mm

Price/package excl VAT SEK 546,40

4.32 m² per package

Price/m² excl. VAT SEK 126,48

EPSCement EC350P

Thickness 100 mm

Price/m² excl. VAT SEK 240.-

2. Floor and wall on wooden joists

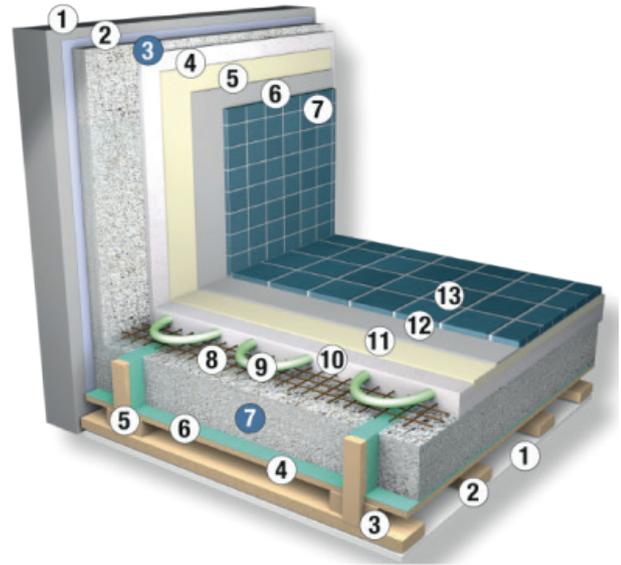
BATHROOM FLOORS AND TIMBER JOIST WALLS

WALL

1.Existing wall concrete /stone 2.Primer 3.EPSCement® 4.Wall putty 5.Liners 6.Retaining Compound 7.Tiles

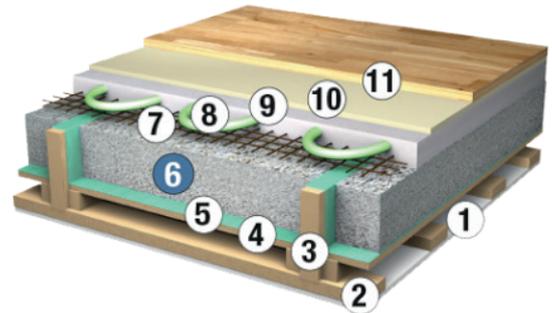
GOLV

1.Suspended ceiling 2.Secondary spaced boarding 3.Stud 4.Sub-floor 5.Joist frame 45 x 220 mm 6.Plastic film, non- durable 7.EPSCement® 8.Reinforcing mesh 9.Underfloor heating cast into self-levelling flooring screed 10.Self-levelling flooring screed 11.Waterproofing layer 12.Fixing compound 13.Clinker



FLOOR ON WOODEN JOISTS

1.Sub-roof 2.Secondary spaced boarding 3.Stud 4.Sub-floor 5.Plastic film, non- durable 6.EPSCement® 7.Reinforcing mesh 8.Underfloor heating cast into self-levelling flooring screed 9.Self-levelling flooring screed 10.Waterproofing layer 11.Parquet



EPSCement® with wooden joists create secure floors with stability like concrete but with low weight and without delaying the drying-times and minimized risk of water damage. This also saves building height as EPSCement® is added to the top edge of the rule and then putty, i.e. no „plus-heights“. EPSCement® is used with advantage for casting bathroom floors. EPSCement® adds low weight and creates a solid and moisture-proof floor construction, especially suited for liner-systems with ceramic plates. The drying-time is short and the building is not supplied with moisture due to the self-drying properties. EPSCement® contains no organic material and can thus not go moldy. In combination with EPSCement® on walls, a construction without cold bridges is achieved. EPSCement® can both be cast on floors and sprayed on walls.

Alternate design solutions.

- Filling wooden joists with stone wool insulation.

Alternatives to EPSCement®: poor sound damping, no mute beams. When a water leak occurs, the damage is often extensive, unlike with EPSCement®, where the damage is local and easily fixed. Alternatives might be cheaper in material, but consisting of more moments, more time-consuming and the overall cost for staff greater.

2. Floor and wall on wooden joists

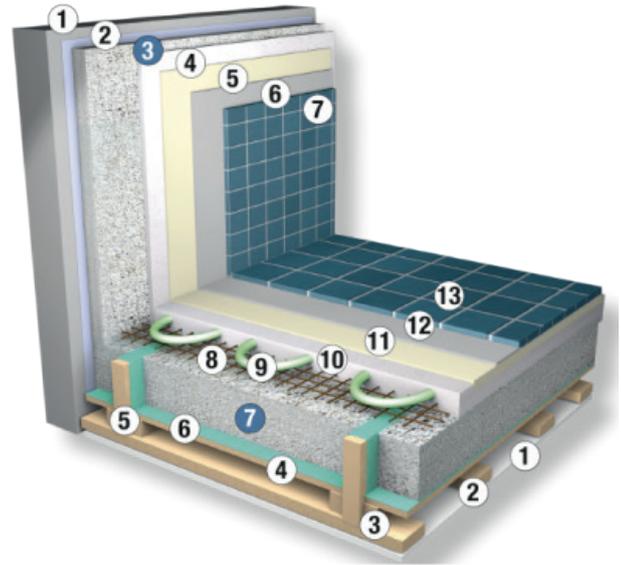
BATHROOM FLOORS AND TIMBER JOIST WALLS

WALL

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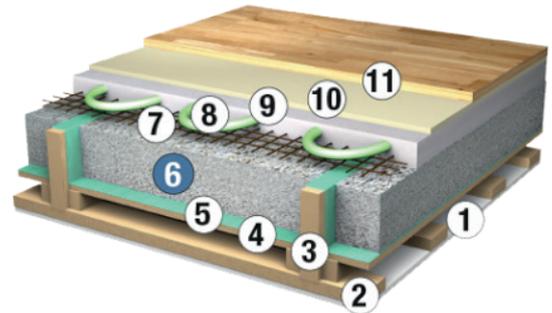
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FLOOR ON WOODEN JOISTS

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Price comparison:

FLEXIBATTS

Stone wool disc

220 mm

SEK 108,92/m2 (Beijer).

+

Osbs DISC

SEK 42,48/m2 excl. VAT

Total price/m2 excl. VAT

SEK 151,54 kr

EPSCement® EC350P

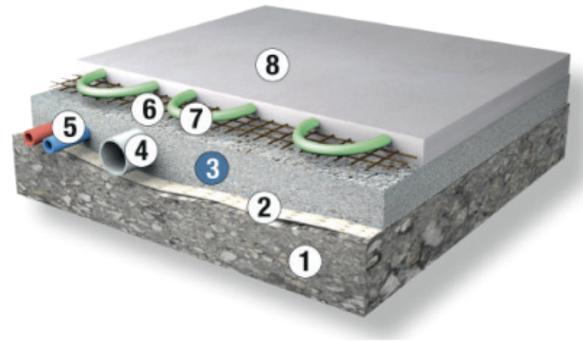
Thickness 220mm

Price /m2 excl VAT

SEK 528.-

3. Renovation floor on ground

1. Macadam, capillary interrupting layer 2. Ground sheet 3. EPSCement® 4. Sewerage pipes 5. Hot and cold water pipes 6. Reinforcing mesh 7. Underfloor heating cast into self-levelling flooring screed 8. Self-levelling flooring screed, at least 20mm



In the casting of new concrete floor or the replacement of old, casting is made with the advantage of EPSCement®. It does not matter if the macadam bed is uneven, because the EPSCement® takes up all the roughness. Since EPSCement® diffusion is open and can breathe the construction takes care of any excess moisture. The drying time is short and the building is not supplied with moisture due to the self-drying properties. EPSCement® contains no organic material and can thus not go moldy. If you then lay EPSCement® with floor heating you solely warm the mastic layer and not the whole plate as with regular concrete.

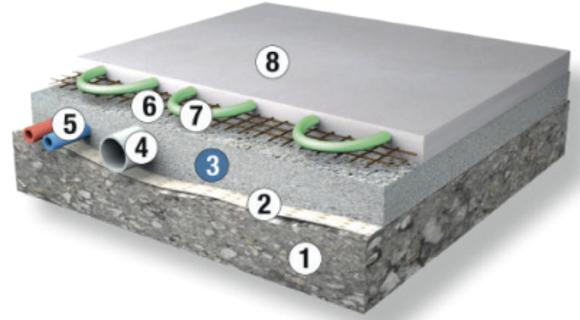
An alternative design solution

- Macadam, cell plastic discs, concrete

This solution tend to take too much height in an already height-limited cellar and are often not feasible in practice. By water damage the cell plastic discs and the whole plate absorbs moisture unlike EPSCement®, where the damage is local. Time-consuming and costly work to adapt the discs to the tubes etc. being casted into. The macadam bed must also be in scale for the cell plastic discs to be even. If you want to have floor heating in the basement this can create a capillary sucking force as the concrete plate is both heated and cooled. In terms of material cost a cheaper solution, but takes longer to perform and also to complete with reference to the longer drying time of the concrete. For larger basements the EPSCement® mobile production facility can be used, which pumps 10m³/h. It would further reduce the labor cost.

3. Renovation floor on ground

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Price comparison:

CELLFOAM EPS 100 KPA 1200MM

1200 x 600 x 100 mm

Price/package excl. VAT

SEK 546,40

4.32 M2 per package

Price/m2 excl VAT

SEK 126,48

+ Cementa Bascement 25 kg

Price/bag excl. VAT

SEK 54.80

Cf. price

SEK 2,19 kr/kg

Recipes: Pressure Strength 25 MPa

Cement 1 bag, 25kg

Gravel 0-8 mm, 50 liters

Stone 8-16 mm, 45 liters

= approximately 95 liters wet mass/sack

Suppose: thickness 100 mm

Number of m3: 0.1

Number of bags/m2: 1,052631579

Price/m2 excl. VAT

SEK 52,06

+ Gravel 0-8 mm and Stone 8-16 mm

Price/m2 excl. VAT

SEK 100.-

Total price/m2 excl. VAT

SEK 278,54

EPSCement EC350P

200 mm thick

Price/m2 excl. VAT

SEK 480.-

EPSCement's strengths compared with competing lightweight materials:

- First to introduce a mixture of EPS beads and cement in Swedish trade of building material.
- EPSCement AB is leading the development of this type of material in Sweden.
- Sole focus on EPSCement®, selling only this material.
- Sold today by over 300 satisfied retail stores in Sweden.
- EPSCement® has been tested during a long time in cooperation with The Swedish National Testing and Research Institute (now RISE – Research Institute of Sweden).
- Very accurate production with very small variations in the material and quantity per bag.
- Single EPSCement® supplier in Sweden which has processor-controlled mobile production facility, producing the material at the workplace. This represents a great opportunity for the reseller who can count on large quantities without keeping it in stock.
- During 2017 we are launching, as the only supplier of EPSCement®, Big Bag and, as a smaller alternative to the normal 50-liter bag - EPSCement® in a 4-liter bucket.
- We offer training-program for the reseller staff, we visit their store and make sure they know everything they need about EPSCement®.
- EPSCement® can be sprayed on wall in up to 30 cm thickness.
- We have a network of 20-30 certified contractors who have been trained, and certified, in the pumping of EPSCement® with filler pump, and the technique of spraying the material on the wall.