

LättBI



Do you need a lightweight, easily shaped, heat-insulating and sound attenuating concrete? Then you are looking for the properties possessed by LättBI.

Quick and functional

LättBI is a low-density concrete consisting of cement and expanded polystyrene spheres. The low weight of LättBI makes it very easy to handle and shape. The concrete is free-flowing and pumpable. It also has good filling capacity and can be laid on falls. A short drying time means you can apply the sealing layer sooner. After just one day, the concrete can be walked on. Once a self-levelling compound has been poured, you have a finished floor with good strength.

Increases flexibility

As LättBI is lightweight, easily shaped and heat-insulating, it is ideal for structures where it might be difficult to lay ordinary insulating panels due to unevenness, protruding pipes or other installations. Structures previously cast with LättBI can be simply adapted or refurbished by sawing off the unwanted parts.

Areas of application

- Areas with low weight requirements
- Areas with requirements for insulation or footfall noise reduction
- Levelling off storey partitions and floors
- As a fill material

Handling tips

LättBI is delivered in a concrete mixer truck and handled as for ordinary concrete. You can pump the concrete through hoses down to Ø1.5". A certain amount of compression can occur if pumping is used.

- Clean the substrate thoroughly before pouring and lay the LättBI in a single layer. Level off without vibration. The minimum casting thickness is approx. 50 mm, and a certain amount of swelling may occur.
- Remember that heat development can be very high, especially in thick layers. Protect from drying for the first few days so as to avoid drying cracks.
- To create a finished floor, cover the LättBI with self-levelling compound or screeding mortar. Before applying the sealing layer, check that the humidity in the concrete does not exceed the critical level according to the specifications.

Technical summary

- Compressive strength, min. 2 MPa
- Heat conductivity from approx. 0.12 W/m·K
- Consists of cement and expanded polystyrene spheres, EPS
- Available with all cement types
- Available in several different density classes down to 500 kg/m³