

Dry pours instead of HBV



A timber construction is only a real timber construction when it can do without concrete. That's why wood-concrete composite floors are already a thing of the past for us. Instead, elastically bound chippings are used.

The project

Timber construction without concrete

Wooden buildings store CO₂ permanently and thus make an important contribution to climate protection. One cubic meter of wood relieves the atmosphere of around one ton of CO₂. The situation is quite different with concrete and steel: The production of one cubic meter of reinforced concrete alone causes around 500 kilograms of CO₂-emissions. Since 2013, Timbatec has consistently dispensed with wood-concrete composite floors. Instead, elastically bonded chippings are used. The use of steel and concrete in stairwells and elevator shafts has also been significantly minimized thanks to new processes from Timbatec.

The construction method

Elastically bound chippings

Elastic-bonded

chippings fill improves sound insulation and at the same time performs the function of leveling fill. The inexpensive and quickly installed chippings fill replaces the HBV slabs. In addition, there is a weight saving of approx. 50% compared to concrete.

Due to the many advantages of the fill, Timbatec consistently uses this system in residential and commercial buildings. The fill is also convincing in large projects such as sue&til.