

Abstract

The present invention relates to a composition for the production of concrete, in particular porous lightweight concrete, self-levelling
5 screed, 3D printing mortar or filler, characterized in particular by the fact that the quantity of liquefier and/or retarder is in each case in the range of from 0.05 to 2.00 weight-%, based on the total weight of cement, and wherein the composition has a wet density in the range of from 100 to 1250 kg/m³ for porous lightweight concrete, a wet density in the range of
10 from 1800 to 2200 kg/m³ for 3D printing mortar, a wet density in the range of from 2000 to 2200 kg/m³ for self-levelling screed and a wet density in the range of from 1900 to 2000 kg/m³ for filler. The invention also relates to the concrete produced by drying the composition, in particular porous lightweight concrete, self-levelling screed, 3D printing mortar or filler. A
15 further object of the invention is a method for the manufacture of these compositions and their use as concrete, in particular as porous lightweight concrete, as self-levelling screed, as 3D printing mortar or as filler.