

Abstract:

Hydraulic binder

In a hydraulic binder containing slags, aluminium-silicates and calcium sulphate, slag, in particular furnace slag, in amounts below 50% (w/w) as well as aluminium-silicates different from furnace slag, as for example flue-ash and natural aluminium-silicates, as for example basalt or andesite, in amounts of 5 to 75% (w/w) respectively related to the entire blend with the requirement that the sum of slag and aluminium-silicates is between 82 and 95,9% (w/w) and as one of the activators CaSO_4 in amounts between 4 and 15% (w/w) as essential components are present. Additionally alkali activators, in particular alkali hydroxides and/or -carbonates of Na and/or K in amounts from 0,1 to 3% (w/w) are deployed.