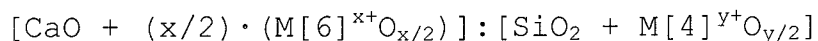


Abstract

The invention relates to a monophase hydraulic binder containing silicon, calcium, oxygen and hydrogen atoms in an arrangement comprising silicate building units having an average connectedness of higher than $Q^{1.5}$ and silanol groups, with none or a part of the calcium atoms being substituted for by a metal atom $M[6]^{x+}$ sixfold or higher-coordinated with oxygen and/or none or a part of the silicon atoms being substituted for by a metal atom $M[4]^{y+}$ tetrahedrally coordinated with oxygen, the molar ratio of



having a value of 0.2 to 2.0, and the binder having an H_2O content of 3.5% by weight to 20% by weight, as well as a mixture containing this binder.

Furthermore, the invention relates to methods for manufacturing the binder or a mixture containing this binder by reaction grinding a starting material of silicate building units having a connectedness of Q^0 to Q^2 , and optionally further materials, with a solid silicate raw material having a connectedness of the silicate building units of Q^3 to Q^4 and optionally drying the monophase hydraulic binder to an H_2O content of 3.5% by weight to 20% by weight.

Finally, the invention relates to a building material made by setting the binder or a mixture containing this binder with water and subsequent hardening.