

Invention relates to the field of foundry production, in particular - to the compositions of water-glass mixtures used for production of mould cores and casting moulds. Mixture production of mould cores and casting moulds contains refractory filler, water-glass, organic mineral additive, and as an additive, it contains the product of coal enrichment at following ratio of components, in per cent by mass:

Water-glass	3.5-7.0
Product of coal enrichment	1.5-3.0
Refractory filler	the rest

In this case, the product of coal enrichment contains, in per cent by mass:

Carbon	8.7-25.7
Total of oxides of metals $\text{Al}_2\text{O}_3 + \text{Fe}_2\text{O}_3 + \text{CaO} + \text{MgO}$	21.0-35.3
including oxide of aluminium	11.2-30.0
Silicon oxide	the rest

Invention ensures reduction of residual strength under severe thermal conditions of mixture use, increase of the thermal durability and strength during hardening and drying by heating, and increase of antiburning-on properties of mixture.