- at least one addition from the group consisting of particulate metals, metal alloys and/or metal compounds, wherein the particulate metals, metal alloys and/or metal compounds, more particularly metal oxides, is selected from the group consisting of ~~conductive and non-conductive fillers,~~ zinc powders, zinc flakes, zinc dust, powders or flakes or dust of zinc alloys, zinc-bismuth alloys, aluminium powders, aluminium flakes, powders or flakes or dust of aluminium alloys, magnesium powders, magnesium flakes, powders or flakes of magnesium alloys, red iron oxide, yellow iron oxide, calcium carbonate, ~~talc,~~ aluminium silicates, barium sulphate, ~~kaolin, magnesium silicates, crystalline quartz, amorphous quartz,~~ calcium magnesium carbonate, ~~calcium silicates, zeolites,~~ wollastonites, zinc oxide, zinc phosphate, bismuth vanadate, and lead chromate, ~~silicon carbide and inorganic colour pigments,~~ and
- optionally at least one additive,

the pH in the composition being 1 to 14 and the dry residue of the binder being 1% to 50% by weight, based on the binder used.

2. Composition according to Claim 1,
where for preparing the binder
water is introduced in a molar excess, based on the silanes of the formulae I and II and also, optionally, on the aforementioned silicon compounds used and is adjusted to an acidic pH with addition of an organic or inorganic acid, a silica sol being added optionally,
an ω-glycidyloxyalkylalkoxysilane of the formula I is metered in and the mixture is heated,
optionally further acid is metered in,
and at least one bis(alkoxysilylalkyl)amine of the general formula II and also optionally at least one further silicon compound from the group consisting of tetraalkoxysilane, alkylalkoxysilane, mercaptoalkylalkoxysilane, carboxyalkylalkoxysilane, aminoalkylalkoxysilane, ureidoalkylalkoxysilane and thiocyanatoalkylalkoxysilane is metered in and the system is caused to react, subsequently the resultant hydrolysis alcohol is removed at least proportionately from the reaction mixture under reduced pressure,

water is introduced in a molar excess, based on the silanes of the formulae I and II and also, optionally, on the aforementioned silicon compounds used, and is adjusted to an acidic pH with addition of an organic or inorganic acid, a silica sol being added with stirring optionally,

an ω-glycidyloxyalkylalkoxysilane of the formula I is metered in and the mixture is heated,

optionally further acid is metered in,

and at least one bis(alkoxysilylalkyl)amine of the general formula II and also optionally at least one further silicon compound from the group consisting of tetraalkoxysilane, alkylalkoxysilane, mercaptoalkylalkoxysilane, carboxyalkylalkoxysilane, aminoalkylalkoxysilane, ureidoalkylalkoxysilane and isocyanatoalkylalkoxysilane is metered in and the system is caused to react,

subsequently the resultant hydrolysis alcohol is removed at least proportionately from the reaction mixture under reduced pressure,

the binder thus obtained is optionally diluted with water and/or an aqueous acid and/or an aqueous base, or the pH is adjusted, and the binder is subsequently filtered,

and

at least one addition from the group consisting of particulate metals, metal alloys and/or metal compounds is dispersed into the resulting binder, wherein the particulate metals, metal alloys and/or metal compounds, more particularly metal oxides, is selected from the group consisting of ~~conductive and non-conductive fillers,~~ zinc powders, zinc flakes, zinc dust, powders or flakes or dust of zinc alloys, zinc-bismuth alloys, aluminium powders, aluminium flakes, powders or flakes or dust of aluminium alloys, magnesium powders, magnesium flakes, powders or flakes of magnesium alloys, red iron oxide, yellow iron oxide, calcium carbonate, ~~talc, aluminium silicates,~~ barium sulphate, ~~kaolin, magnesium silicates, crystalline quartz, amorphous quartz,~~ calcium magnesium carbonate, ~~calcium silicates, zeolites,~~ wollastonites, zinc oxide, zinc phosphate, bismuth vanadate, and lead chromate, ~~silicon carbide and inorganic colour pigments,~~ and also, optionally, at least one additive is incorporated with stirring and optionally the pH in the composition is adjusted.