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The invention relates to a dispersion on base of calcium hydroxide used for fixation and strengthening of frescoes, finishes and old ornamental elements of marble, concrete and mortar.

Summary of the invention consists in that the dispersion contains a microcolloidal dispersed system on base of calcium hydroxide in isopropyl alcohol and 0,5% N-cetyl pyridinium bromide, representing an opalescent solution, obtained as a result of stoichiometric reaction of the 55% CaCl_2 solution, preliminarily heated up to 80°C and the 40% NaOH solution, taken in the mass ratio 1:1, with mixing during 20...30 min at the temperature of $80\text{...}90^\circ\text{C}$, with subsequent cooling and washing of the obtained precipitate with distilled water up to the disappearance of the Cl^- and Na^+ ions, with subsequent dispersion of the precipitate into a volume of isopropyl alcohol constituting half of the reaction initial mixture volume, in the presence of the aqueous solution of N-cetyl pyridinium (ketazol) bromide, with subsequent mixing of the obtained system during 60 min at the temperature of $35\text{...}40^\circ\text{C}$ and decantation thereof.

The result consists in obtaining a nontoxic biodecomposable dispersion providing a good fixation and adhesion to the object surface.

Claims: 2