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**Base principles of planning of clout solutions**

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 Normative requirements (durability at a compression and bend, adgeziya to laying), produced to clout solutions for sthenes from an autoclave aerocrete contradictory and not grounded. Clout solution, it is necessary to examine as coverage, related to laying through a contact area.

 Planning of compositions and properties, clout solutions it is necessary to conduct taking into account tensions of arising up clout coverage from his usadki and difference of deformations with laying, and also deformations of a wall construction and coverage.

 It is necessary to choose komponenty of mixture and their amount, taking into account the processes of flowings at hardening of clout coverage and destruction of the system «kladka-shtuka-turnoe coverage». Their application must provide the decline of tensions in clout coverage and contact area to the sizes, less what stress-at-break.

 Komponenty which this problem decided through is resulted in the article, mechanism of their action and as a result, decline of tensions in the system «laying-clout coverage» and increase of treschinostoykosti of clout coverage.

 Components over, this problem, mechanism of gelation of compo, decided through that, are brought. Analysed influence of each of constituents of mixture on a process gelation, and forming of structure.

The analysis of structure of material and his influence is conducted on properties of material, and also on tensions in the system "Кладка-штукатурное coverage" and трещиностойкость of clout coverage.

It is marked that application of cement-lime astringent, filler with the subzero module of resiliency, редиспергируемых of polymeric powders, ethers of cellulose and polymeric fibre for re-enforcement, allowed to provide the required effect.

As a result tensions went down in clout coverage and pin zone it with laying, the amount of cracks diminished on the stage of causing and hardening, deceleration of her height happened on the stage of exploitation.