

STRUCTURE AND CLASSIFICATION OF WATERPROOFING MATERIALS

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ABSTRACT

The internal structure or structure of waterproofing materials expresses a certain nature of the bonds and the order of adhesion of the particles from which they are formed. Coagulation structures are formed due to relatively weak forces of molecular interaction between particles - vander Waals cohesion forces acting through the interlayer of a liquid medium. Condensation structures arise during the direct interaction of particles or under the influence of chemical compounds in accordance with the valency of the contacted atoms, or under the influence of ionic and covalent bonds. Natural and most synthetic rubbers at room temperature, cellulose, polyisobutylene and some other polymers used in the manufacture of waterproofing materials have an amorphous structure. The classification of waterproofing is given.

KEYWORDS: *Waterproofing, Coagulation Structures, Amorphous Structure, Polymers, Crystallization, Condensation.*

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