

Polyurethane mounting foam

Mounting foam is probably the most widely used in construction polyurethane products, thanks to its easy application and good filling and sealing properties. Nowadays it is difficult to imagine placing windows and doors, and many other repairs and finishing work associated with sealing and compaction, without the foam. In essence, it is a synthetic polyurethane hermetic in aerosol that, when injected under pressure into space, increasing its volume and hardens. Its use in mass out building today is largely due to the fact that her work is easy and convenient. It penetrates even the most difficult cracks, gasps and holes, fill them with foam structure and then briefly becomes solid.

The thermal insulation characteristics of polyurethane foam is influenced by the homogeneity of the structure, density, air temperature and humidity, so the coefficient of thermal conductivity should be determined laboratory to the requirements of normative documents.

The main properties of polyurethane foam, because it is so highly prized by builders are assembly (connects, attaches parts of the structure), acoustic, thermal insulation and sealing it fills all the space allocated to it and self hardens it makes work and post-processing.

Another valuable quality of mounting foam is that it is truly a universal application. Today, more than a thousand known variants for use in and out building industry. It is suitable for use in all traditional building materials – wood, stone, concrete, masonry, stucco, plaster, metal, glass, PVC and others. The exception on this rule are only polyethylene, polypropylene, Teflon and silicone.

Due to its insulating qualities, mounting foam used to fill cracks and crevices in walls, floors and roofing materials, the voids around door frames and windows and more. Its good adhesion properties make it in many causes a good substitute for glue. With it, for example, fixed structural elements of windows and doors, then there is no need to use screws, nails, glue or wall insulation. The polyurethane foam is preferred for sealing joints between materials with relatively high coefficient of thermal expansion due to good elastic properties.