

The MB-60 Hidden Casement system is a part of the window/door system with a thermal break MB-60. The windows produced from the elements of this system have casements that are unseen from the external side of the building. In the row of adjacent fixed and openable windows all the compartments look the same from the outside. The width of window frames from the external side is small, what makes the structure look slender and light.

Each window built with the MB-60 US system, destined for mounting in the exterior building, must be provided with the effective water drainage and ventilation system from the glass chamber and from the chamber between casement and the frame. The ventilation and drainage holes are covered from the outside with caps made of plastics.

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The characteristic feature of the system is its close connection with the other systems of ALUPROF S.A. Adapting such a design allowed achieving and applying many common elements, e.g. common glazing beads, corner joints, sealing strips, glazing and closing gaskets, common hardware and many identical technological processes such as pinning of connecting elements of lacings and crossbars, gluing corners joints, cutting out various recesses, etc.

This is a version of the system with an improved thermal insulation: MB-60US HI. The improved thermal insulation is obtained by placing special inserts in the central chambers of aluminium profiles. Owing to a low value of the heat-transfer coefficient, the inserts decrease heat transfer through the construction and simultaneously reduce convection and thermal radiation in them.

