AMENDED CLAIMS

1. An interface leak-proof treatment method for a modular integrated building, comprising:

step A, providing a plurality of vertical recessed halves on a side wall of each of two adjacent prefabricated building units (1) facing the other prefabricated building unit, so that a plurality of vertical recesses are formed at both ends and in a middle portion of a joint (2) between said two adjacent prefabricated building units (1);

step B, pouring cement grouting into the vertical recesses at both ends of the joint (2); and

step C, pouring cement grouting into the vertical recesses in the middle portion of the joint (2), so that the joint (2) and the vertical recesses in the middle portion of the joint (2) are completely filled with cement grouting,

wherein in step B, a plastic bag is guided by a UPVC pipe into each of the vertical recesses at both ends of the joint (2), and the cement grouting is introduced into the plastic bag from top to bottom, till the plastic bag is completely filled, and then the UPVC pipe is removed.

2. The interface leak-proof treatment method for a modular integrated building according to claim 1, wherein further including step D: providing foam padding rod (3) and sealant (4) in respective positions outside of the vertical recesses at both ends of the joint (2).

3. The interface leak-proof treatment method for a modular integrated building according to claim 1 or 2, wherein step C begins when the cement grouting in the vertical recesses at the ends of the joint (2) poured in step B reaches initial setting, and

in step C, a UPVC pipe is inserted into each of the vertical recesses in the middle portion of the joint (2), and grouting is carried out from a bottom thereof.