

The usability of sealants

Part 2 Test of materials in contact with the edge of laminated glass and laminated safety glass

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Preface

The manufacturers of sealants and insulating glass units recognized the necessity of integrating the current manufacturer specific and in-house test requirements into one set of generally acknowledged rules and regulations. The objective of this Guideline is to define test methods for checking and assessing the performance of materials that are in direct contact with each other.

Part 1 of the Guideline describes the tests of adhesives, sealants and glazing block materials that come into contact with the edge sealing of the insulating glass units.

Part 2 describes the test methods for materials in contact with the edge of laminated glass (LG) and laminated safety glass (LSG) applied to the glazing rebate and the plane sealed area.

Note

An adequate time frame should be considered for the tests described that are to be performed in advance before the materials are brought into contact with the edges of laminated glass and laminated safety glass. Test duration is 21 weeks, without the time required for preparation and follow-up.

Comparative tests for Part 2 of the Guideline showed the need to assign the material combinations to the intended category of use:

1. Applied to glazing rebate, i.e. area unexposed to UV radiation, but exposed to the effects of temperature,
2. Applied to weather sealing, i.e. exposed to UV radiation and the effects of temperature and moisture.

All tests showed that there is always an interaction between the PVB film and the sealants. Changes, however, may be greater or smaller. Depending on the degree of change, safety in use of the product is not affected; it shows only as an optical impairment.

Changes to the LSG/LG edge are always subject to approval by the manufacturer of the seal and the user. Based on the