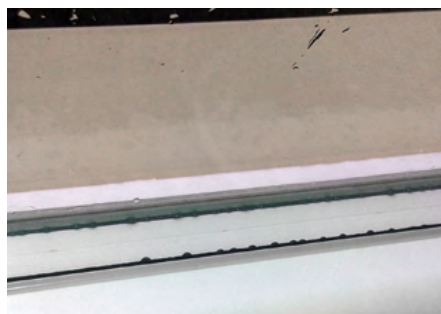


## Butyl leakage into cavity

Butyl leakage into the cavity of insulating glass units (IGU) may occur in some cases. This phenomenon usually only occurs after glazing.



Example of butyl leakage of insulating glass units

This phenomenon may be caused by e.g.:

- high temperatures in the rebate area
- excessive contact pressure on the edge area of the glazing

Comparative testing by the Bundesverband Flachglas has shown that butyl leakage of all-edge supported IGUs of windows and façades is a purely visual characteristic

which has no impact on the durability of the installed IGU.

The tests were conducted with the triple IGU configurations used in building practice.

Butyl leakage up to a height of 3 mm does not impair the proper functioning of the IGU and therefore does not constitute any grounds for complaint (result of the BF study).

Based on the study, the following recommendations are made for these IGUs:

- Leakage of butyl into the IGU is less noticeable if the glass bite is increased within the permissible limits (see DIN 18545).
- Recommended minimum butyl quantity, see Table.

The quantity specified here is recommended so that the durability of the IGUs is not impaired.

### Recommended minimum butyl quantity

<i>Butyl density g/cm<sup>3</sup></i>	<i>Recommended minimum butyl quantity g/m spacer side</i>
1.05 to 1.09	approx. 2.5
1.1 to 1.15	approx. 2.7
1.16 to 1.20	approx. 2.9
1.21 to 1.25	approx. 3.1

Observe system-specific information.

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