

EGOLF RECOMMENDATION 006-2016

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Problem

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When is an opening on exposed side so large that it is considered as a failure of mechanical stability?

From EGOLF document N618 and N621 we have that:

The mechanical stability of the exposed side of the duct can be evaluated by making visual observation through the furnace windows or if possible by having a camera on the exposed side. Failure of mechanical stability is deemed to have occurred if parts of the duct collapse, or falls down.

But there is no clear definition on "how large the parts have to be "

Recommendation

Definition of mechanical stability could be interpreted as:

- Large opening (holes of with an area approximately equal to or larger than the area of the openings in the end of the duct).Or
- Fall down of parts of the duct or
- Cross section reduction equal to or larger than 25% of the cross section area.