

## To Whom It May Concern:

### RE: 000 “AGRISOVGAZ” SG system

Dow Corning has reviewed standard drawings of “AVRISOVGAZ” SG system and completed structural glazing joint dimension calculations.

The following assumptions have been made in the calculations, if any of these assumptions are incorrect, you should inform us, since they may affect the joint dimensions that are to be recommended.

#### Assuming:

The minimum glass thickness is **6mm**.

Glass should be tempered or heat-strengthened.

The vision glass composition could be: **6/16/6** or **8/16/6** or **8/16/8mm**.

The spandrel (façade) glass should be **6 or 8mm**.

#### Vision glass:

For vision glass in Insulated Glass secondary seal are inserted the  $\supset$ -profiles 12,5 x 10 x 100mm around perimeter.

**The installation rules and procedure are described in Agrisovgaz catalogue.**

If the summary length of  $\supset$ -profiles do not exceed 1/3 of total IG perimeter length than silicone **DC3362** is recommended as Insulated Glass secondary seal.

The silicone secondary seal (between  $\supset$  profile and IG spacer) should be minimum:

- for the wind load up to 500 Pa = 6mm
- for the wind load up to 1000 Pa = 9mm
- for the wind load up to 2000 Pa = 15mm
- for minimum 700mm one side = 10mm regardless of the wind load

#### Spandrel glass:

For the spandrel (façade) glass the **DC993** sealant is recommended in minimum dimensions: **15 x 6,4mm** regardless of wind load.

**Glass dimensions limits are given in Agrisovgaz catalogue.**

#### Openings:

The IG glass is fully supported for the dead load; the silicone secondary, IG seal, done by DC3362 sealant should be:

- for the wind load up to 500 Pa = 8mm above the spacer
- for the wind load up to 1000 Pa = 10mm above the spacer
- for the wind load up to 2000 Pa = 12mm above the spacer

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The silicone bed (done by DC993 sealant) dimensions are:

**6,4 x 17mm; 6,4 x 20mm; 6,4 x 22mm**

**Glass composition and dimensions limits are given in Agrisovgaz catalogue.**

**Above mentioned, statements does not remove the requirement to approach the structural glazing on a project-by-project basis. That includes, for each project, a review and approval by Dow Corning of the drawings and substrates used for that particular project.**

**Weatherseals** should be formed using Dow Corning 791 or 991 sealants backed by closed cell polyethylene foam backer rod.

If you require any further assistance please do not hesitate to contact Dow Corning.

On behalf of Dow Corning Europe

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