

**A.1 - AGI EMEA STRUCTURED AND UNSTRUCTURED ROOF**

**AGI EMEA** silo roof is designed accordingly to the most recent standards and produced with the greatest technologies available worldwide.

Its capability to meet an extensive life span, an incredible structural stability together with a simple, logic and fast assembly makes it a unique product available on the market.



— Photo of Structured Roof model FP30

**Standard details:**

The roof steel covering sheets coated with Magnelis metallic ZM310 protection guarantee a long-life span even in high aggressive ambient conditions.

The 30-degree roof pitch ensures maximum storage capacity even with high angle of repose commodities. No. 3 reinforced roof panels per sheet ensure a quick assembly.

Multiple Design optimization are available:

- Allowable standard snow loads: 75 – 150 – 250 kg/m<sup>2</sup>
- Allowable standard wind speeds: 144 – 200 – 300 km/h
- Allowable peak load: 500 – 15000 kg (varying on silo size)
- Probes capacity: 500 – 1200 kg (varying on silo size)

Further upgrades are available upon request.

Spun galvanized Bolts with EPDM sealing washers.

Pregalvanized Z350 peak ring.

Roof cap comes with 200 mm inlet hole already prepunched in factory.

The Eave Sealing ring provides a complete insulation and sealing.

Big size Inspection MANHOLE.

Structured and Unstructured roof designs are available and offered depending on silo size and environmental actions.

**AGI EMEA S.R.L.**

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**Unstructured roof Details:**

- Lightweight structural roof panels reinforced with ribbed edges
- Tube purlins 60 mm diameter
- Available up to silo model 18



— Photo of Roof model FP13



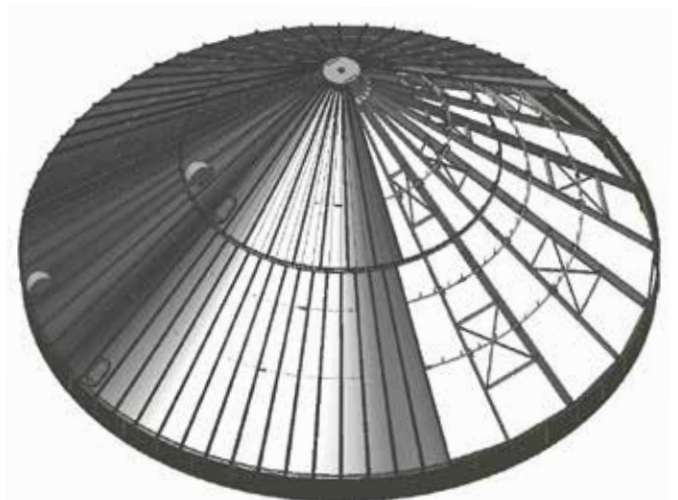
— Photo of Roof 3D model FP13

**Structured roof Details:**

- Pregalvanized Z350 structural steel
- Z section beams up to model 30; double-C section beams above
- Laterally & braced in single A-frames
- A-frame assembly philosophy (-30% assembly time)
- Tube purlins 70,6 mm diameter
- Hot dip galvanized compression ring



— Photo of Roof model FP30



— Photo of Roof 3D model FP30

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