

Certificate of tests for load securing and strength of vehicle superstructures in accordance with DIN EN 12642 Annex B (2007-01)

8111600482-PB1-Z1

1 Details of vehicle

Vehicle manufacturer	IFAC SPA Zona Industriale Via Achille Tamburrino 70021 Aquaviva Delle Fonti (Bari)
Vehicle / body	Semi-trailer
Vehicle / body type	Insulated box body
Vehicle ID number / body number	
Max. payload in [kg]	25,000
Max. clearance dimensions L x W x H in [mm]	13,370 x 2,480 x 2,700

2 Details of vehicle fittings

**Proven test forces
(DIN EN 12642, Annex A)**

Front bulkhead **12,500 daN**

- Sandwich- bulkhead 60 – 100 mm thick
Optionally with cutout for chiller

Side walls **10,000 daN**

- Sandwich sidewalls 50- 80 mm thick
Basebord 250 mm high
- Optionally with max. 2 side doors,
optionally with max. 2 rows of load securing tracks

Rear wall **7,500 daN**

- Rear portal of VA profiles
Rear doors each with 4 hinges and 2 internal
rotating lock bars

Roof

- Insulated roof 80 – 100 mm
- optionally with 2 tracks for locking bars

Floor

- Insulated floor of sandwich board, reinforced, with
anti-slip surface coating

The condition of the vehicle superstructure shall be inspected by a qualified person by the vehicle owner/user once per annum in accordance with VDI 2700 and documented in accordance with manufacturer specifications.

3 Details/conditions of loading

- Sliding friction coefficient $\mu_D \geq 0.3$
- Interlocking load in direction of travel
- Cargo width minimum 240 cm
- Spacing of load / rear wall ≤ 15 cm

4 Details of cargo goods

- General cargo, robust in form and stable
- Palleted cargo, robust in form and stable

5 Summary

The vehicle body as described above is able to satisfy the requirements of DIN EN 12642 Code XL for a payload of up to 25,000 kg.

Provided the conditions as per points 2 and 3 are satisfied, the securing of the load in accordance with point 4 is satisfied by the rigidity of the vehicle body. Additional securing measures such as e.g. low level lashing or direct lashing are then no longer required.

The vehicle body is when in compliance with the conditions specified able to secure the loads as described in accordance with the generally accepted technical rules and regulations, e.g. acceleration values in accordance with DIN EN 12195-1 (road traffic), VDI regulation 2700 ff and the various certificates and expertise based thereupon. This certificate of the adequate securing of the load also reflects the legal stipulations concerning securing of loads as specified in §§ 22 and 23 of the German highway code and § 30 of the German highway code. For other cargos, additional securing measures in accordance with VDI 2700 are required.

TÜV NORD Mobilität GmbH & Co. KG
IFM - Institut für Fahrzeugtechnik und Mobilität
Adlerstr. 7, 45307 Essen
Geschäftsstelle Hannover
Fachgruppe Ladungssicherung

IFAC SPA

By signing this certificate, IFAC SPA confirms that the body strength of vehicles delivered to customers shall at time of delivery be compliant with the vehicle as certified by TÜV NORD.

Hannover, 04.11.2014



Uwe Manter



Aquaviva Delle Fonti,

Signature of responsible manager