

Certificate

on a Voluntary Type Examination

Registration no.: **01/208/FB/19/7077**

The TÜV Rheinland Certification Body for Lifts and their Safety Components at TÜV Rheinland Industrie Service GmbH hereby certifies to

Company **JORDAHL GmbH**
Nobelstrasse 51
12057 Berlin
Germany

that the product

Product **JAI**

Types **A1-JB16, A1-JC16, A1J-JB16, A1J-JC16**

fulfils the requirements of the Directive 2014/33/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to lifts and safety components for lifts.

Evidence was obtained on 2019-11-26 in a verification for conformity.

Examination Report No.: 01/208/FB/19/7077

Document(s) forming the basis for the examination

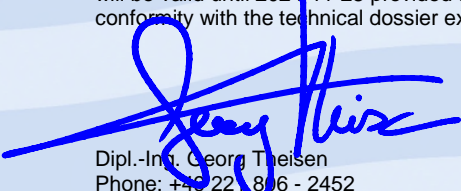
- Directive 2014/33/EU (Lift Directive)
- Directive 2006/42/EC (Machinery Directive)
- EN 81-20:2014
- EN 81-50:2014

Use

**Acoustic insulation element
for car and counterweight rails**

This Certificate covering the placing of the product on the market will be valid until 2024-11-28 provided the as-built condition is in conformity with the technical dossier examined.

Cologne, 2019-11-29

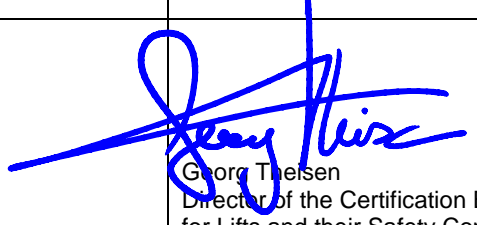

Dipl.-Ing. Georg Theisen
Phone: +49 221 896 - 2452

TÜV Rheinland Certification Body
for Lifts and their Safety Components at TÜV Rheinland Industrie Service GmbH

Notified under No. 0035

TÜV Rheinland Industrie Service GmbH, Am Grauen Stein, 51105 Köln (Germany)

Annex to Certificate
 Registration No.: 01/208/FB/19/7077

1. Component	JAI
2. Types	A1-JB16, A1-JC16, A1J-JB16, A1J-JC16
3. Manufacturer	JORDAHL GmbH Nobelstrasse 51 12057 Berlin Germany
4. Application area	JAI-JORDAHL acoustic insulation element is intended to reduce noise emissions by lifts in building structures. The insulation element is installed between the lift shaft wall and the guide rail bracket.
5. Special conditions	<ul style="list-style-type: none"> • Utilisation of the product is based on the operating instructions, date of issue 2019-11-15. The operating instructions list all requirements which are directly associated with the product and must be complied with in its applications. • The product must be used as intended. • For the design of car and counterweight guide rails according to the requirements of standards EN 81-20 and EN 81-50, the load deformation curves must include JAI design descriptions. • The tolerance of the gauge dimension of the guide rails from cab and counterweight must not exceed 2 mm. • The duration of use of the JAI elements must be limited. Replacement is required after 2×10^6 load cycles = number of rides/operations or 10 years of service. • The permissible operating temperature range is from -30°C to +70°C. When a temperature peak of +120°C is reached, the JAI element must be replaced. • A heat detector according to EN 54-5, category B, with a maximum static actuation temperature of 85°C must be installed in the shaft head of the lift installation. Upon actuation of the heat detector, the initiated lift ride will continue to its destination/completion; all subsequent rides must be blocked by the electrical control system of the lift. • Inspections of the proper condition of the JAI elements (tightening torque of the fixing screws) are required in ongoing operation. Additional requirements are listed in the operating instructions. • Note that the insulation material used in the JAI element has limited resistance to chemicals (water, aqueous solutions, acids, bases, oils, grease, solvents) and to environmental and biological degradation. The operating instructions contain information about this. • According to the JAI element's operating instructions, lifts equipped with this product are subject to the general fire protection instructions and fire protection concepts in which those lift installations are incorporated and to the ones that place requirements of their own on those lifts.
Cologne, 2019-11-29	 Georg Thielen Director of the Certification Body for Lifts and their Safety Components Identification No. 0035