

Aliaxis Deutschland GmbH – Steinzeugstraße 50 – 68229 Mannheim

To whom it may concern

Ihr Ansprechpartner:
Robert Eckert
Tel. +49 621 486-2214

Robert.eckert@aliaxis.com

Mannheim, 19.08.25

DECLARATION OF PERFORMANCE

Issued in accordance with Government Decree 275/2013. (VII.16.)

We declare under sole responsibility that the following products, to which the declaration relates are in conformity with the following standards or guidelines.

1. Product type:

Electro fusion fittings **FRIALEN** and **FRIAFIT**, made of PE100 / PE 100-RC compounds and designed with dimension ratio SDR11 or SDR17 for PE pressure piping systems for water supply, and for drains and sewers under pressure of the following types:

- Coupler d20 - d1200
- Elbow 11°, 30°, 45°, 90° d20 - d315
- Tee d20 – d315
- Reducer d16 - d225
- End cap d20 - d225
- Branch saddle d63 - 1200 x d32 – d400
- Tapping tees d40 - d450 / d20 - d63
- Repair saddles
- Tapping valves d40 - d450 / d20 - d63 including operating rods
- PE valves including operating rods
- Threaded transition fitting d20 – d125 / ½ " - 4"

2. Type number:

FRIATEC article number indicated on the plastic bag label (e.g. 615234)

3. Intended use of the construction product in accordance with the National Technical Approval, as foreseen by the manufacturer:

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Flawless execution of electro fusion joints on polyethylene (PE) pressure pipe systems including water supply, drains and sewers under pressure by creation of homogeneous fusion joints to achieve design lifetime.

4. Name and contact address of the manufacturer:

ALIAxis Deutschland GmbH - Steinzeugstraße 50 - 68229 Mannheim - Germany

5. System(s) for the Assessment and Verification of Constancy of Performance (AVCP) in accordance with Decision 1999/472/EC and 2002/359/EC of the European Commission, taking the cumulative rule into consideration:

Products are designed to fulfil the requirements of the system standard "Plastics piping systems for water supply, and for drains and sewers under pressure - Polyethylene (PE)" according to EN 12201 and are approved accordingly.

Note:

Plastic Pipes Systems are not specified by a harmonized European Standard (hEN). CE marking is not permitted.

6. Notified (designated) body

DVGW Cert GmbH, German Association for Gas and Water Distribution

Designation document number: _____ DV-8601AU2248 _____

Notified body number: _____ 0085 _____

National assessment document:

This Declaration of Performance is based on the National Technical Approval issued in accordance with European Products Standards on plastics piping systems.

Number and issue year of the National Technical Approval which defines the technical specifications: _____ EN 12201: 2025 _____

The hygienic aspects of Frialen products in contact with drinking water are tested and meet the requirements of e.g. UBA /KTW assessment scheme.

7. Declared performance


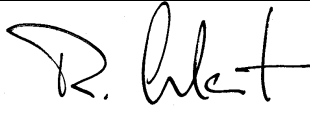
Essential characteristics	Performance	Technical specification
Internal pressure strength (Water)	SDR11: ≤ 16 bar; SDR17: ≤ 10 bar	EN 12201-3
External pressure strength	NPD	
Dimension tolerances	NPD	
Water tightness	NPD	

Gas tightness	NPD	
Emission of dangerous materials	NPD	
Durability of joint tightness	NPD	
Melt flow rate (MFR)	PE 100: MFR 190/5, 0.2-0.55 g/10 min	
Density	> 0.93 g/cm ³	
Thermal stability	> 20 min/200°C	
ITP test	PE100: 165h / 80°C / 5.4MPa	

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Mannheim, August 19 th , 2025	Robert Eckert, Manager Standards & Approvals
(Place and date of issue)	(Name and Function)
	 (Signature)