MANUFACTURER'S TECHNICAL DOCUMENTATION

for

NATIONAL TECHNICAL ASSESSMENT

Manufacturer's name and address:

INNOPERFORM® GmbH
Preititz, Alte Dorfstr. 18-24
D-02694 Malschwitz

1. DESCRIPTION OF THE PRODUCT

The name of all different product types and product identification codes shall be given.
Dimensions of all product types and components shall be given, preferably including drawings.

types: arimeo classic S for uPVC windows (30 00 00, 30 00 01, 30 00 02, 30 00 03, 30 00 04)
arimeo classic T for timber windows (31 00 01, 31 00 01, 31 00 02, 31 00 03, 31 00 04)

Raw material specifications of all product types and components shall be given referring to the material quality and the related standard.: see 3.3.

Attachments:
drawings arimeo classic S and T
Technical Information arimeo classic

2. INTENDED USE(S) OF THE PRODUCT

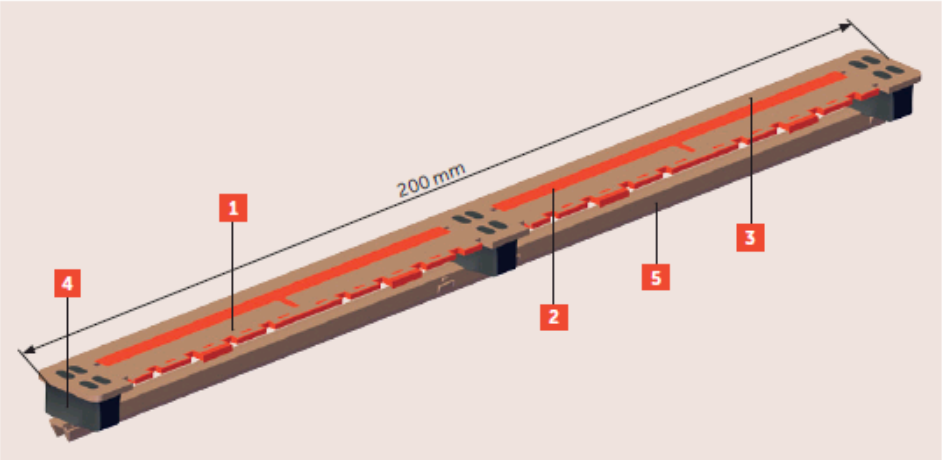
Please describe in details the type and function of the construction work or building where the construction product is intended to be used. Please indicate its location (outdoors, indoors, underground, etc.)

arimeo classic S is a self-adjusting window rebate vent for uPVC windows. It can be used in rebate and centre gasket systems to ensure an air change when the windows are closed. arimeo classic S is positioned in the window sash instead of the sash overlap gasket and, set in the respective colour of the window gasket, is almost invisible.
arimeo classic T is a window rebate vent for timber windows. It can be used in all current systems with stepped rebate from IV 68 on, to ensure air change when windows are closed. arimeo classic T is positioned in the frame and adapts the contour and colour of the frame. Thus, it stays almost invisible, even when the window is open.

Areas of application of arimeo classic S and T:

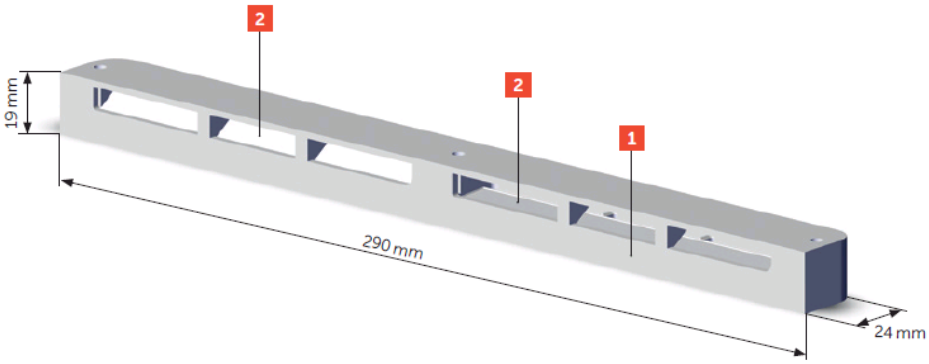
- cross ventilation
- as a pure fresh air supply device in combination with exhaust air fans
- as a combustion air supply device for room air-dependent gas hot water heaters, gas stoves or wood-burning stoves

arimeo classic S - components



1	**Control flaps:**	adjust the air flow precisely, thanks to their flow contour.
2	**Hinge:**	provides sensitive mobility and a resilience of the control flaps with utmost precision.
3	**Frontward side:**	adapts closely to the fixed frame when the window is closed.
4	**Buffers:**	provide the necessary flexibility to the components, so that they adapt to different gap geometries.
5	**Locking foot:**	holds the component firmly in the window sash.

arimeo classic T components



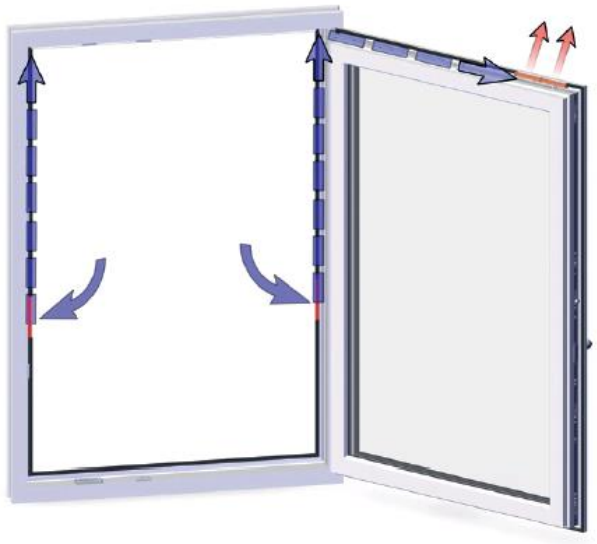
1	**Casing:**	blends in the fixed frame in the area of the window rebate.
2	**Control flaps:**	control the air flow and ensure the tightness of the window exactly at the moment of wind pressure.

arimeo classic S - How it works

The air change is driven passively due to pressure differences between the inside and outside. In case of cross ventilation, pressure differences arise due to wind and thermal; in case of fan-assisted ventilation due to exhaust air systems.

The ventilation duct is realized through the window rebate exclusively, i.e. the space between the sash and the fixed frame. To achieve this, the outer frame gasket is replaced by exchange gaskets at defined positions, so that the air can flow in the window rebate and then further to the inside of the room by passing arimeo, which is positioned in the upper area of the window instead of the inner sash overlap gasket. The air flow described can arise bidirectionally, depending on the pressure difference.

How it works/air delivery



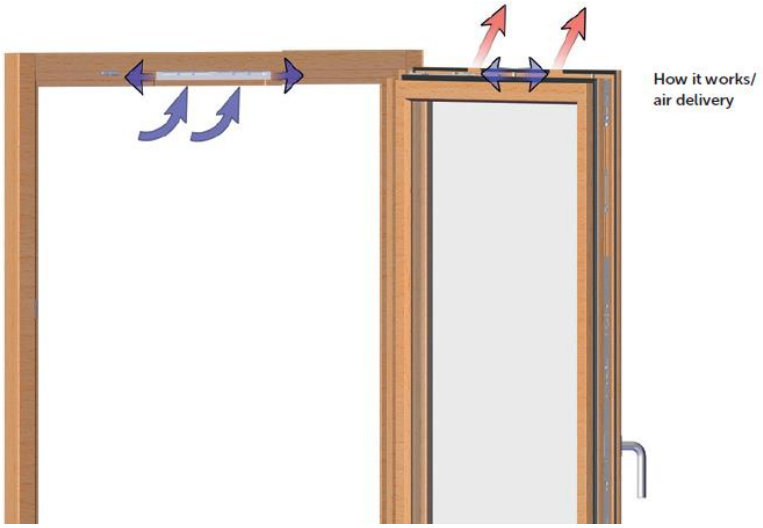
arimeo classic T - How it works

The air change is driven passively due to pressure differences between the inside and outside. In case of cross ventilation, pressure differences arise due to wind and thermal; in case of fan-assisted ventilation due to exhaust air systems.

The ventilation duct is realized through the window

rebate exclusively, i.e. the space between the sash and the fixed frame. To achieve this, a milling of 2 mm is made in the fixed frame overlap to ensure air entrance. Hence, air can flow to the inside of the room by passing arimeo classic T and its control flaps. To ensure this air flow to the inside of the room, the sash overlap gasket is cut out at various points. The air flow described can arise bidirectionally, depending on the pressure difference.

In this air change sequence, arimeo is the regulating element in the window rebate. Thanks to the precise swivel joint technology of the control flaps, a sensitive air flow control is realized responding to the slightest movement of air. The control flaps of the arimeo classic T restrict the air flow with a high-sealing effect in case of high wind forces and thus, prevent draughts and waste of energy.



3. DESCRIPTION OF THE MANUFACTURING PROCESS

3.1 Manufacturing plant's data:

Name: INNOPERFORM® GmbH

Address: Strasse der Freundschaft 8, 02736 Oppach

3.2 Description of the manufacturing process

Please give the most important steps, phases of the manufacturing process.

- injection molding of the individual components
- assembly of the components
- packing & shipping

3.3 Data in relation to raw materials and components

Please list all the essential raw materials and components used during the manufacturing process and give the method of control during the takeover in relation to the incoming materials/products (e.g. checking of accompanying documents, laboratory test, visual inspection, etc.). Please give also the frequency of control (e.g. each batch) and the requirements to be considered during the takeover process in relation to the the result of control. It is recommended using the table form below but not compulsory.

Incoming raw material/component	Method of control	Frequency of control	Requirement	Fire resistance
ASA LI 912 (arimeo classic S and T)	quality of the material is proven by the supplier	incoming delivery is subject to visual inspection	no abnormalities	HB
TPU Ravathane (arimeo classic S only)			no abnormalities	HB
TPE-S (arimeo classic S only)			no abnormalities	HB
Seals: TPE				Klasse E DIN EN 13501-1

3.4 Control during the manufacturing process

Please list what sort of checks occur during the manufacturing process. Please give the properties tested, the test method, frequency of tests and requirement levels. Table form is recommended but not compulsory.

Property tested	Test method	Frequency	Requirement
Dimensional accuracy	calipers	Several times a day	Tolerances of the drawings
Primarily functions	Test specifications	Several times a day	Specifications of tolerance

3.5 Control on the final product

Please list what sort of checks occur on the final product. Please give the properties tested, the test method, frequency of tests and requirement levels. Table form is recommended but not compulsory.

Property tested	Test method	Frequency	Requirement
Form stability (straigtness)	Visual inspection	100 %	no abnormalities
Function of the claps	manual	100 %	no abnormalities

3.6 Identification and traceability of the product

Please give an example how the product is marked with a manufacturing/batch code and how the product and the quality control test sheets can be traced back based on this code.

On each product the name of the product as well as the date/time of production is imprinted.

4. INSTALLATION OF THE PRODUCT

Please give the installation guide of the product preferably with construction details and drawings.
Data can be given in a separate annex attached to this form.

Attachment: Installation instruction arimeo classic S
Installation instruction arimeo classic T

5. PACKAGING, STORAGE AND LABELLING OF THE PRODUCT

5.1 Packaging, storage

Please describe how the product is packed and stored.

Packaging Outer packaging made of cardboard
Packaging units in boxes
Storing heated and dry on shelves (in halls)

5.2 Labelling

Please describe how the product is labelled.

The product is labelled with product name, product type and colour

6. ANNEXES

Number	Annex
1	**drawings arimeo classic S and T**
2	**Technical Information arimeo classic**
3	**Installation instruction arimeo classic S**
4	**Installation instruction arimeo classic T**
5	**Classification report ift Rosenheim Deventer seals**
6	**Classification report ift Rosenheim Arimeo classic S (shortcode: arimeo CS)**
7	**Classification report ift Rosenheim Arimeo classic T (shortcode: arimeo CT)**

Declaration of the manufacturer

Herewith we declare, as the manufacturer of the product in question, that the data given in this Technical Documentation is correct.
We will notify the Technical Assessment Body (ÉMI Nonprofit Kft.) if any changes in the data given above occur.

Official signature of the manufacturer

11.12.18
Date

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