ÉMI NON-PROFIT LIMITED LIABILITY COMPANY FOR
QUALITY CONTROL AND INNOVATION IN BUILDING
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ÉMI NON-PROFIT LIMITED LIABILITY COMPANY FOR QUALITY CONTROL AND INNOVATION IN BUILDING
ÉMI SOCIÉTÉ Á BUT NON LUCRATIF POUR LE CONTRÔLE DE QUALITÉ ET L'INNOVATION DU BÂTIMENT, RESPONSABILITÉ LIMITÉE
ÉMI NON-PROFIT GESELLSCHAFT FÜR QUALITÄTSKONTROLLE UND INNOVATION IM BAUWESEN MIT BESCHRÄNKTER HAFTUNG

A-5/2019

NMÉ
NATIONAL TECHNICAL ASSESSMENT

SAMPLE

Product name:	Cold storage hinged doors type IGLOODOORS IDH Cold storage sliding doors type IGLOODOORS IDS
Intended use of the product:	The IGLOODOORS IDH cold storage hinged doors and the IGLOODOORS IDS cold storage sliding doors are applied for interior doors of public and commercial buildings, industrial and other facilities, in areas of medium and heavy pedestrian traffic loads and where special provisions of the application area are met (clean air corridors, laboratories, cold-storage houses, food industry factories etc.). Doors shall not be used on in OTSZ escape routes.
Product area:	Doors, windows, shutters, gates and related building hardware
Manufacturer of the product:	HŰTŐÉPÍTŐ Kivitelező és Kereskedelmi Kft. H-3200 Gyöngyös, Kenyérgyár út 9.
NMÉ valid from*:	01.07.2019

Zoltán Budavári
Head of the Technical Assessment Office

The National Technical Assessment consists of 12 pages including 1 numbered Annex.

* The validity of the NMÉ is subject to certain conditions. The validity of the NMÉ shall be checked on the website of the ÉMI Non-profit Llc. (www.emi.hu).
This NMÉ replaces ÉME no. A-107/2012 valid from 31.05.2013.

Project number: É1-M239K-17039-2019
DK-M239K-18802-2019

I LEGAL BASES AND GENERAL CONDITIONS

1 This NMÉ has been issued by the ÉMI Non-profit Llc. for Quality Control and Innovation in Building based on

- Government Decree No. 275/2013 (VII. 16.) on the detailed rules relating to the planning and installation of construction products into construction works and the verification of performance during this process,
- the designation of the Hungarian Trade Licensing Office (MKEH-128/22/2013/FHÁ), as well as
- the data detailed in ÉME no. A-107/2012 valid from 31.05.2013 and valid until 31.05.2018 and in Performance Assessment Report No. A-5/2019 dated on 01.07.2019.

2 The holder of the NMÉ is the manufacturer of the construction product.

3 The holder of the NMÉ is not allowed to assign the NMÉ to third party. The NMÉ is valid exclusively for products manufactured in the indicated production plants.

4 The manufacturer of the product or their authorized representative shall notify if the important characteristics of the product, the quality of its raw materials or the production circumstances change and shall apply for the revision and, if necessary, for the amendment of NMÉ.

5 The ÉMI Non-profit Llc. withdraws the NMÉ for the product based on the request of the manufacturer or their authorized representative, based on the decision of the market surveillance authority or at the end of co-existence period, as stipulated in the Regulation No. 305/2011/EU Article 17 (5) of the European Parliament and Council, of the harmonized standard covering the construction product subject of this NMÉ.

6 ÉMI Non-profit Llc. shall issue the NMÉ in Hungarian, and on subsequent request of the manufacturer or their authorized representative for an additional fee in English language. The legal basis is the Hungarian version of the NMÉ.

7 The NMÉ may only be copied or published by means of other data medium in its entirety. Extracts are only allowed on the prior written approval of ÉMI Non-profit Llc. The fact of publishing extracts shall be indicated. Text and figures of advertising materials cannot be contrary to the content of the National Technical Assessment and cannot give rise to misunderstanding.

8 The NMÉ will not replace other permits and certificates (e.g. environment protection and property protection, building authorities' permits) necessary for distribution, installation and use of the product specified by separate provision of law and the documents relating to the constancy of product performance (e.g. product certificate, factory production control certificate, declaration of performance).

9 The declaration of performance issued on the basis of the NMÉ shall not entitle either the manufacturer or their authorized representative to use CE conformity marking on the product or on its packaging or accompanying documents.

10 The NMÉ does not state the fitness for purpose of the product for the particular use. It provides only performance values for essential characteristic as a basis for the declaration of performance. Based on the performances specified in the declaration of performance issued by the manufacturer the product can be installed into construction works in which it complies with the expected technical performance.

SAMPLE

II SPECIFIC CONDITIONS OF THE NATIONAL TECHNICAL ASSESSMENT

1 DATA

1.1 Manufacturing site(s) of the product

HŰTŐÉPÍTŐ Kivitelező és Kereskedelmi Kft.
H-3200 Gyöngyös, Kenyérgyár út 9.

1.2 Description of the product

A description of the product is given in Annex no. 1:

Main properties of the components and its raw materials:

Properties	Value	Assessment method
Component: : BRUCHA WP panel		
Thermal conductivity factor of insulating core (PU-foam)	0.0221 W/mK	MSZ EN 12667
Thickness of steel plate: - external - internal	 0.5 mm 0.6 mm	MSZ EN 14509
Component: aluminium profile (ALU-profile)		
Reaction to fire class	A1	MSZ EN 13501-1
Component: Interclimat Serie 5000AB lock		
Resistance to corrosion	4 (240 hours)	MSZ EN 179, 4.2.9.
Durability	6 (100 000 cycles)	MSZ EN 179. 4.2.4.
Maximum leaf weight	100 kg	MSZ EN 179, 4.1.27.
Component: Maniglie opening pad for sliding door		
Material quality, material composition	AW 6060	MSZ EN 573-3
Reaction to fire	A1	MSZ EN 13501-1
Component: Intertecnica CERNIERE Serie 2800 hinge		
Maximum leaf weight	80 kg	manufacturer's declaration
Adjustability	3-direction	manufacturer's declaration

1.3 Description of the intended use of the product

The IGLOODOORS IDH cold storage hinged doors and the IGLOODOORS IDS cold storage sliding doors are applied for interior doors of public and commercial buildings, industrial and other facilities, in areas of medium and heavy pedestrian traffic loads and where special provisions of the application area are met (clean air corridors, laboratories, cold-storage houses, food industry factories etc.).

Doors shall not be used in OTSZ escape routes.

SAMPLE

2 ESSENTIAL CHARACTERISTICS, PERFORMANCE AND ASSESSMENT METHODS

2.1 Mechanical resistance and stability

2.2 Safety in case of fire

Essential characteristics	Performance	Assessment method
Product code: all products		
Reaction to fire class	NPD*	MSZ EN 13501-1: 2007+A1:2010

* NPD – No Performance Determined

2.3 Hygiene, health and the environment

Essential characteristics	Performance	Assessment method
Product code: all products		
Release of dangerous substances	NPD*	manufacturer's declaration on the basis of EU-data base
Vapour permeability (on general surface)	No condensation within the structure	ETAG 021, 5.3.3.2. MSZ EN ISO 14509:2007
Suitability for contact with foodstuffs		ETAG 021, 6.2.7.4.
- washability, cleanability	washable, cleanable	
- disinfectibility	NPD*	
- surface absorption capacity	NPD*	
- risk of establishing harmful micro-organisms	NPD*	

* NPD – No Performance Determined

2.4 Safety and accessibility in use

Essential characteristics	Performance	Assessment method
Product code: all products		
Height, width, thickness, rectangularity - dimensional accuracy	Class 3	MSZ EN 951:2000 MSZ EN 1529:2001
General and local surface straightness	Class 4	MSZ EN 952: 1999 MSZ EN 1530: 2001
Operation force (opening force)	Class 1	MSZ EN 12046-2:2001 MSZ EN 12217:2015
Mechanical strength – Resistance to vertical loading in the plane of the door leaf	Class 3	MSZ EN 947:2000 MSZ EN 1192:2001
Mechanical strength – Resistance to static loading perpendicular to the plane of the door leaf	Class 4	MSZ EN 948:1999 MSZ EN 1192:2001

(table continues)

SAMPLE

(continuation of table 2.4)

Essential characteristics	Performance	Assessment method
Mechanical strength – Resistance to impact of soft heavy body	Class 3	MSZ EN 949:2000 MSZ EN 1192:2001
Mechanical strength – Resistance to impact of hard body	Class 1	MSZ EN 950:1999 MSZ EN 1192:2001
Mechanical strength – Resistance to pressure (1200 Pa)	NPD*	ETAG 021-1, 5.3.4.2.2. MSZ EN 12211:2016
Defrost option	NPD*	ETAG 021-1, 5.3.7.2.2.6.

* NPD – No Performance Determined

2.5 Protection against noise

Essential characteristics	Performance	Assessment method
Product code: all products		
Airborne sound insulation	NPD*	MSZ EN ISO 10140-2:2011 MSZ EN ISO 717-1:2013

* NPD – No Performance Determined

2.6 Energy economy and heat retention

Essential characteristics	Performance	Assessment method
Product code: all products		
Heat transmittance, U_D, W/m^{2}K (door panel, middle field) ○ 80 mm thick panel ○ 100 mm thick panel	 0.28 0.24	MSZ EN ISO 6946:2017
Air permeability	Class 1	ETAG 021-1, 5.3.6.2. MSZ EN 1026:2016 MSZ EN 12207:2017
Radiation properties	NPD*	ETAG 021-1, 5.3.7.2.2.7.

* NPD – No Performance Determined;

** λ_{steel} = 50W/mK, d_{steel} = 0.0011 m ($d_{external}$ = 0,5 mm, $d_{internal}$ = 0,6 mm), λ_{PUR} = 0.022 W/mK, value calculated by taking α_i = 8 W/m^{2}K and α_e = 24 W/m^{2}K into account.

SAMPLE

2.7 Sustainable use of natural resources

Essential characteristics	Performance	Assessment method
Product code: all products		
Resistance to repeated opening and closing	Class 4 (50 000 cycles)	MSZ EN 1191:2013 MSZ EN 12400:2002
Behaviour in different climatic conditions	NPD*	ETAG 021-1, 5.3.7.2.2.1. MSZ EN 1121:2001 MSZ EN 12219:2001

* NPD – No Performance Determined;

3 REQUIREMENTS FOR THE ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE

3.1 System(s) for the assessment and verification of constancy of performance

On the basis of Commission Decision 99/93/EC and according to Annex V of the European Parliament and Council Regulation No. 305/2011/EU:

System (3)

3.2 Tasks of the manufacturer

3.2.1 Factory production control (FPC)

The manufacturer shall develop, document and operate an FPC system that ensures that the performance of the products to be installed meets continuously the values specified in the present NMÉ in a verifiable way.

If the manufacturer's quality management system complies with standard EN ISO 9001 and their system is complemented with the requirements in relation to factory production control stipulated in this NMÉ, this factory production control system can be considered to have met the requirements.

Regarding the product the manufacturer shall develop, operate and control a factory production control system, which ensures the constancy of performance of the product.

The factory production control system shall include:

- the tasks and their responsible persons required in the procedure,
- the rules regarding the review of the qualifications and training of personnel, production and testing equipment, raw materials, supplied products, manufacturing process, handling of emerging non-compliances and complaints and the review of the factory production control system by the manufacturer,
- evaluation of the results of tests made in the framework of factory production control by comparing with the results of the performance assessment,
- tests to be carried out in the scope of the factory production control, according to the control plan of the factory control; requirements concerning the frequency and test methods in accordance with the table below:

SAMPLE

Product characteristics	Test method	Minimum frequency of tests
Conformity of incoming materials (panel insert, ALU-profile, locks, hinge, seal)	verification of documents, visual inspection	each delivery
Profile dimension accuracy	length measurement	all cut profiles
Door leaf design (mitres, surface quality)	visual inspection	all parts
Functionality	function control	all parts

3.2.2 Issuing the declaration of performance

The declaration to be issued by the manufacturer must contain the following data detailed in points:

- the identification number of the declaration,
- the individual identification code of the product type,
- the intended use(s) of the construction product specified by the manufacturer,
- the name, the registered trade name and the registered trade mark as well as the mailing address of the manufacturer,
- optionally the name and mailing address of the authorized representative,
- system or systems in relation to the assessment and verification of constancy of performance of the construction products,
- the name of the organization issuing the NMÉ and the identification number of the NMÉ,
- the performance values given in section 2,
- the following sentences:
  - The performance of the product specified in section 1.2 of NMÉ No A-5/2019 complies with the performance specified in the declaration.
  - Exclusively the manufacturer (or the authorized representative) is responsible for issuing this declaration of performance.
- person signing in the name and on behalf of the manufacturer (or the authorized representative) (name/position),
- place/date/signature.

3.3 Tasks of the designated testing laboratory

3.3.1 Assessment of the performance of the product

This NMÉ can be considered as the assessment of the performance of the product in accordance with point 1.6 in Annex V of the European Parliament and Council Regulation No. 305/2011/EU. Therefore, the designated testing laboratory shall not undertake this task.

4 ANNEXES

4.1 Annex 1 Description of the products (5 pages)

The NMÉ prepared by:

Ágota Maga
test engineer

Professionally checked and approved by:

ÉMI ÉPÍTÉSÜGYI MINŐSÉGELLENŐRZŐ INNOVÁCIÓS NONPROFIT KFT.
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POSTACÍM 2001 Szentendre, Pf.: 180
ADÓSZÁM 20783185-2-13

Péter Sólyomi
product manager

SAMPLE

General description:

The door panels are two-sided flat BRUCHA sandwich panels mounted on modular PVC frame structures, edged with aluminium profiles. They are made with special cold storage security locks and hinges. The locks and hinges are reinforced with wooden inserts at the mounting points. To prevent misting, condensation, in case of deep-freezers, the edges are equipped with a self-regulating heating cable (ELSR).

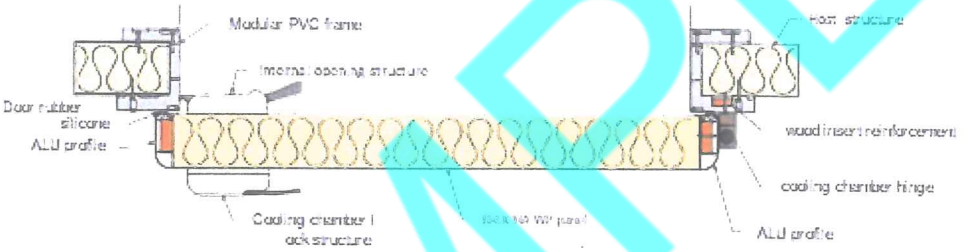
Thickness of door panel:

- 80 mm (Brucha WP-80)
- 100 mm (Brucha WP-100)

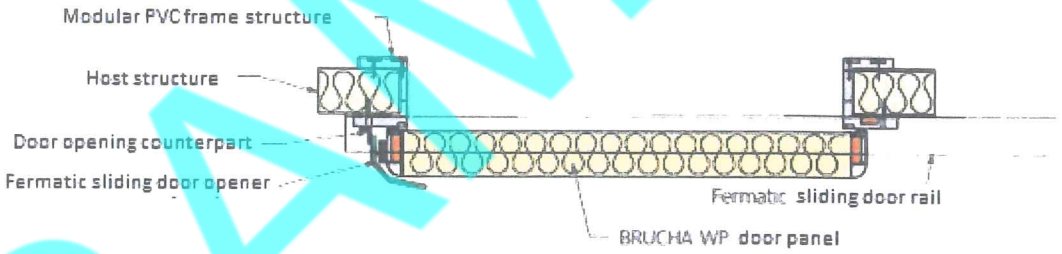
Standard dimensions:

opening:	single-leaf	800 x 1900 mm
sliding:	single-leaf	1300 x 1900 mm

Hinged door:

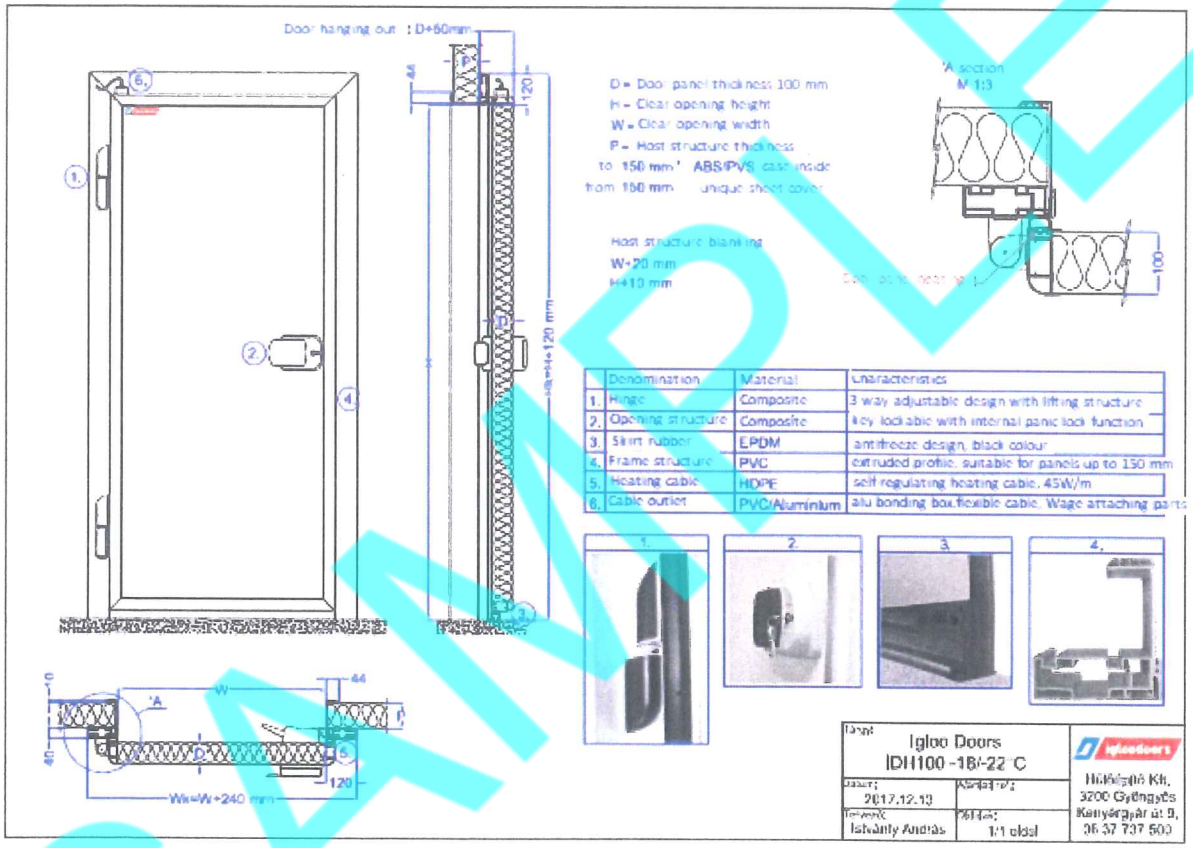


Sliding door:



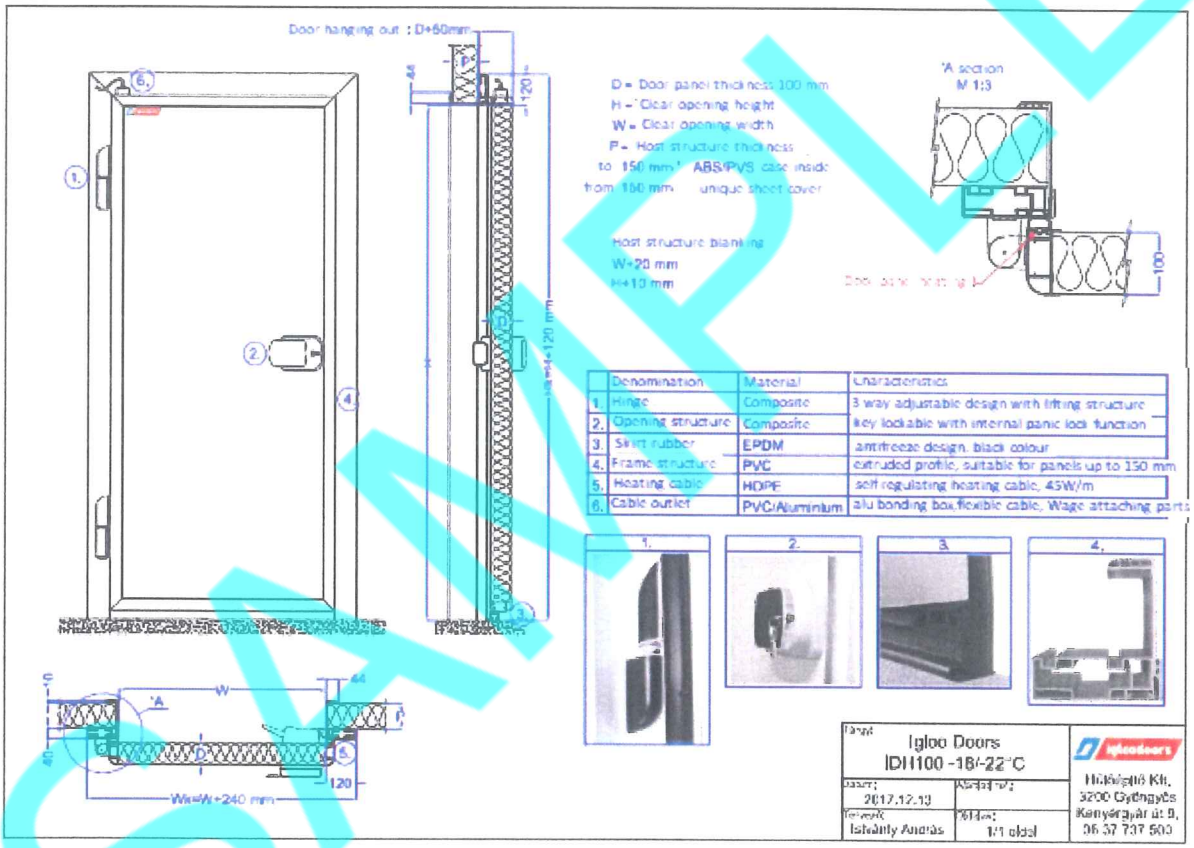
SAMPLE

Description of the products: general description	**Annex 1**



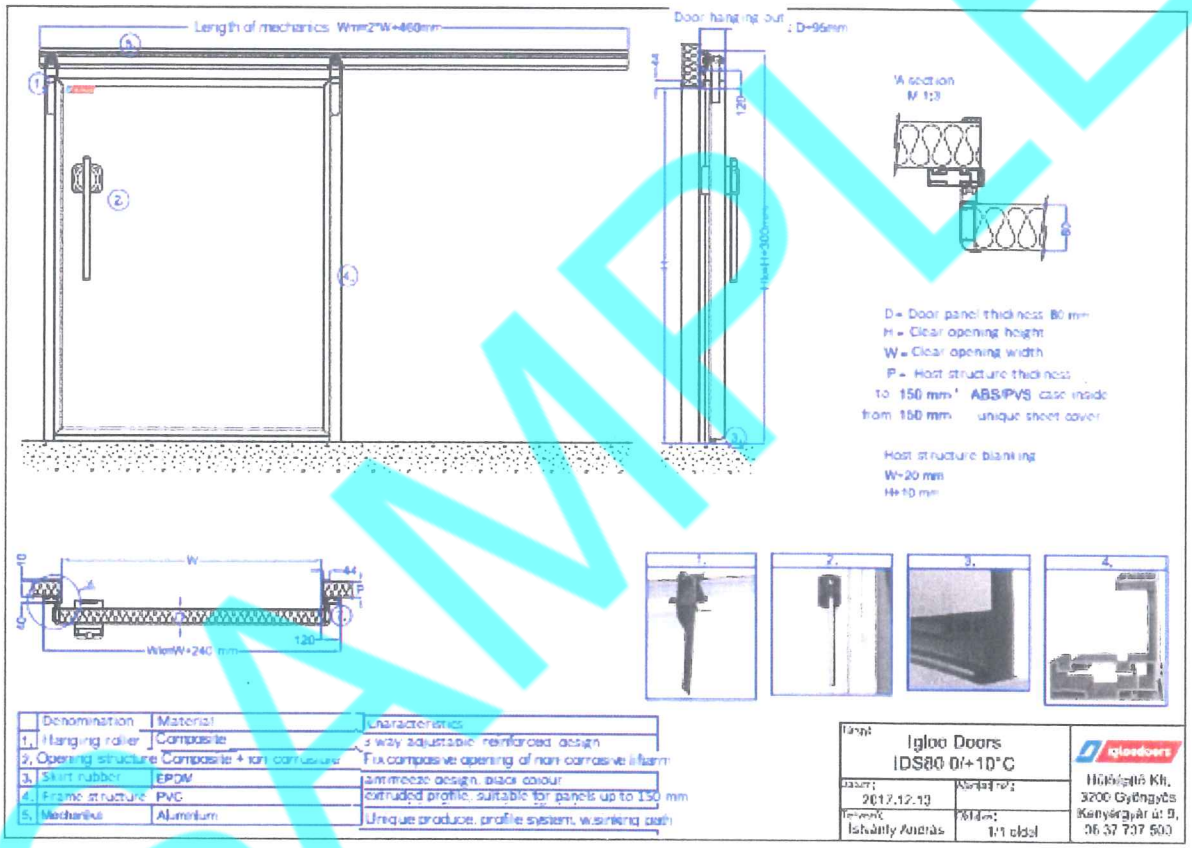
SAMPLE

Description of the products: **Cold storage hinged doors type GLOODOORS IDH**	**Annex 1**



Description of the product: **Cold storage hinged doors type GLOODOORS IDH**	**Annex 1**

SAMPLE



Description of the product: **Cold storage sliding doors type IGLOODOORS IDS**	**Annex 1**

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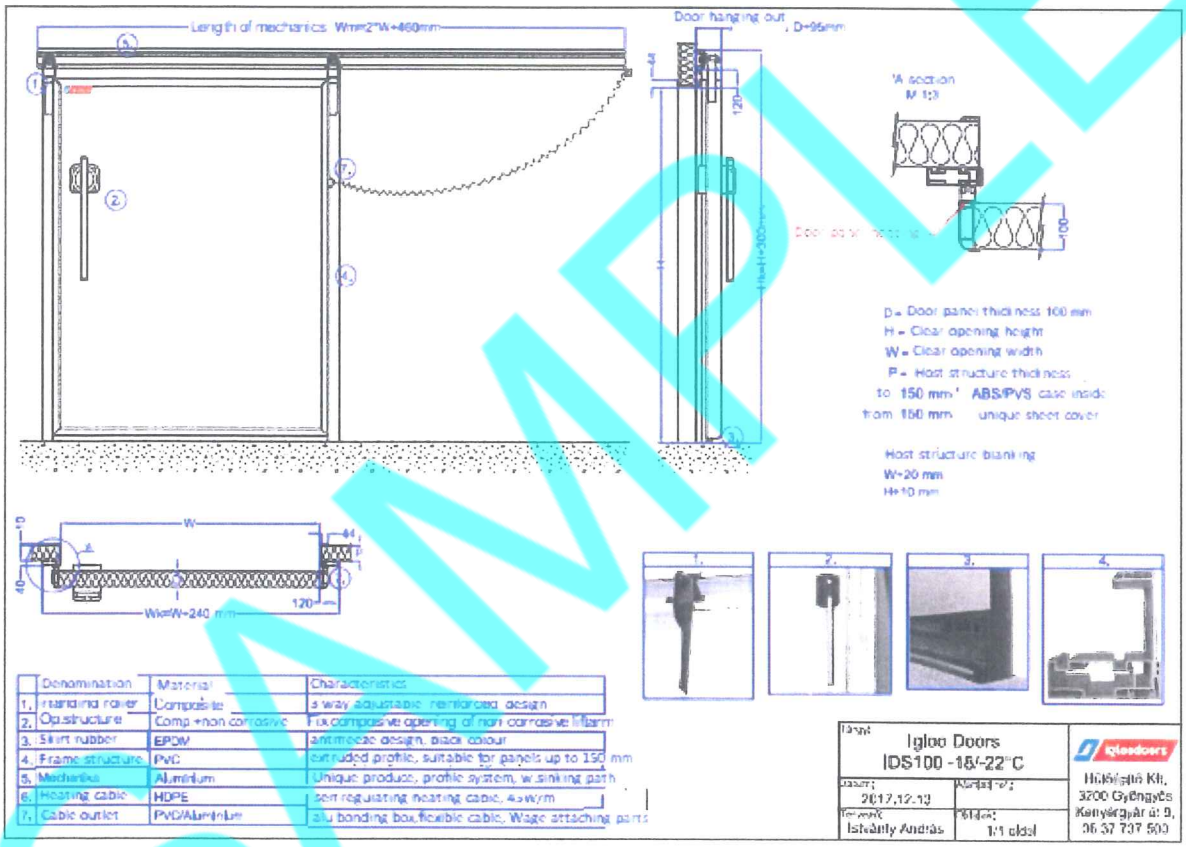
SAMPLE



	Denomination	Material	Characteristics
1.	Retaining roller	Composite	3 way adjustable, reinforced design
2.	Op.structure	Comp.+non corrosive	Fix composite opening of non corrosive fitting
3.	Silent rubber	EPDM	antimecac design, black colour
4.	Frame structure	PVC	extruded profile, suitable for panels up to 150 mm
5.	Mechanics	Aluminium	Unique product, profile system, w.sinking path
6.	Heating cable	HDPE	self regulating heating cable, 4w/w/m
7.	Cable outlet	PVC/Aluminium	alu bonding box,flexible cable, Wago attaching parts

SAMPLE

Description of the product: **Cold storage sliding doors type IGLOODOORS IDS**	**Annex 1**