

## **Isothermal vehicle**

The isothermal vehicle - a vehicle, which body consists of thermoinsulating walls, including doors, a floor and a roof, allowing to limit heat exchange between an internal and external surface of a body so that on the general factor heat transfers (coefficient  $K$ ) the vehicle could be carried to one of below-mentioned two categories:

IN	= The usual isothermal transport Means:	- coefficient $K$ , not exceeding $0,70 \text{ Vt/m}^2 \cdot \text{K}$
IR	= Isothermal vehicle with strengthened isolation, Means:	- Coefficient $K$ , not exceeding $0,40 \text{ Vt/m}^2 \cdot \text{K}$ ; presence of walls by thickness not less than 45 mm if it is a question of vehicles in width more than 2,50 m.

## **Transport facility -glacier**

Transport-glacier — is an isothermal vehicle, which by means of a cold source (natural ice with addition or without salt addition; eutectic plates; an artificial ice with the adaptation, allowing to regulate its sublimation, or without that; liquefied gases with the device for regulation of evaporation or without that etc.), not being mechanical or "absorptive" installation, allows to lower temperature in an empty body and to support it then at average external temperature in  $+30^\circ\text{C}$ :

At level no more  $+7^\circ\text{C}$  for a class A,  
At level no more  $-10^\circ\text{C}$  for a class B,  
At level no more  $-20^\circ\text{C}$  for a class C,  
At level no more  $0^\circ\text{C}$  for class D,

With use of corresponding refrigerating agents and the corresponding equipment. Such vehicle should have one or several branches, vessels or tanks for the refrigerating agent. This equipment should:

- To be arranged so that it was possible to make from the outside its loading or additional load; and
- To have the volume corresponding to instructions of point 34 of addition 2 to Appendix of 1 Agreement on the international transportations of perishable foodstuff and about special vehicles, intended for these transportations.

The coefficient  $K$  vehicles of classes B and C in each case should not exceed  $0,40 \text{ Vt/m}^2 \cdot \text{K}$ .

## **Transport facility -refrigerator**

Transport - refrigerator is the isothermal vehicle having an individual or general refrigerating machinery for several transport units (the mechanical compressor unit, absorptive installation etc.) which allows at average external temperature in  $+30^\circ\text{C}$  to lower temperature in an empty body and

then constantly to support it as follows:

For classes A, B and C with any set actually constant level of temperature  $t_j$  according to the norms resulted more low established for three classes:

Class A. The transport means-refrigerator having such refrigerating machinery at which  $t_i$  can get out between  $+12^{\circ}\text{C}$  and  $0^{\circ}\text{C}$  inclusive.

Class B. The transport means-refrigerator having such refrigerating machinery at which  $t_j$  can get out between  $+12^{\circ}\text{C}$  and  $-10^{\circ}\text{S}$  inclusive.

Class C. The transport means-refrigerator having such refrigerating machinery at which  $t_j$  can get out between  $+12^{\circ}\text{C}$  and  $-20^{\circ}\text{S}$  inclusive.

For classes D, E and F with certain almost constant level of temperature  $t_j$  according to the norms resulted more low established for three classes:

Class D. The transport means-refrigerator having such refrigerating machinery at which  $t_j$  does not exceed  $0^{\circ}\text{C}$ .

Class E. The transport means-refrigerator having such refrigerating machinery at which  $t_j$  does not exceed  $-10^{\circ}\text{C}$ .

Class F. The transport means-refrigerator having such refrigerating machinery at which  $t_j$  does not exceed  $-20^{\circ}\text{C}$ . The coefficient K vehicles of classes B, C, E and F in each case should not exceed  $0,40 \text{ Vt/m.K}$ .

## **Heated vehicle**

The heated vehicle is the isothermal vehicle having heating installation, allowing to raise temperature in an empty body and then to support it without additional receipt of heat within at least 12 hours at almost constant level not more low  $+12^{\circ}\text{C}$  at the following average external temperature for both classes:

Class A. Heated vehicle at average external temperature  $-10^{\circ}\text{C}$ .

Class B. Heated vehicle at average external temperature  $-20^{\circ}\text{C}$ .

The coefficient K class vehicles B should not exceed  $0,40 \text{ Vt/m.K}$ .

## **Letter designations of special vehicles**

Identification letter designations represent header Latin letters of dark blue colour on a white background.

The height of letters should be not less than 100 mm for classification designations and not less than 50 mm - for action expiration dates.

Classification designations and designations of an expiration date of action are put from an outer side, at least, on both parties in the top corners near to a forward part.

Following letter designations are provided

Transport facility	Identification letter designation
Isothermal vehicle with normal isolation	IN
Isothermal vehicle with the strengthened isolation	IR
Transport facility -glacier with normal isolation of class A	RNA
Transport facility -glacier with the strengthened isolation of class A	RRA
Transport facility-glacier with the strengthened isolation of a class B	RRB
Transport facility-glacier with the strengthened isolation of a class C	RRC
Транспортное средство-ледник с нормальной изоляцией класса D	RND
Транспортное средство-ледник с усиленной изоляцией класса D	RRD
Транспортное средство-рефрижератор с нормальной изоляцией класса A	FNA
Транспортное средство-рефрижератор с усиленной изоляцией класса A	FRA
Транспортное средство-рефрижератор с нормальной изоляцией класса B	FNB
Транспортное средство-рефрижератор с усиленной изоляцией класса B	FRB
Транспортное средство-рефрижератор с нормальной изоляцией класса C	FNC
Транспортное средство-рефрижератор с усиленной изоляцией класса C	FRC
Транспортное средство-рефрижератор с нормальной изоляцией класса D	FND
Транспортное средство-рефрижератор с усиленной изоляцией класса D	FRD
Транспортное средство-рефрижератор с нормальной изоляцией класса E	FNE
Транспортное средство-рефрижератор с усиленной	FRE

изоляция класса E	
Транспортное средство-рефрижератор с нормальной изоляцией класса F	FNF
Транспортное средство-рефрижератор с усиленной изоляцией класса F	FRF
Отапливаемое транспортное средство с нормальной изоляцией класса A	CNA
Отапливаемое транспортное средство с усиленной изоляцией класса A	CRA
Отапливаемое транспортное средство с усиленной изоляцией класса B	CRB

Если транспортное средство оснащено съемным или неавтономным термическим оборудованием либо если для термического оборудования предусмотрены особые условия эксплуатации, то соответствующее или соответствующие опознавательные буквенные обозначения должны быть дополнены буквой "X" в следующих случаях:

1. ДЛ Я ТРАНСПОРТНОГО СРЕДСТВА-ЛЕДНИКА:

- когда для замораживания эвтектических плит их требуется поместить в другую емкость.

2. ДЛ Я ТРАНСПОРТНОГО СРЕДСТВА-РЕФРИЖЕРАТОРА:

- когда компрессор приводится в действие двигателем транспортного средства;

- когда сама холодильная установка или ее часть, которая предотвращает ее функционирование, являются съемными.

Под вышеуказанными опознавательными буквенными обозначениями приводится дата истечения срока действия свидетельства, выданного на транспортное средство (месяц, год).