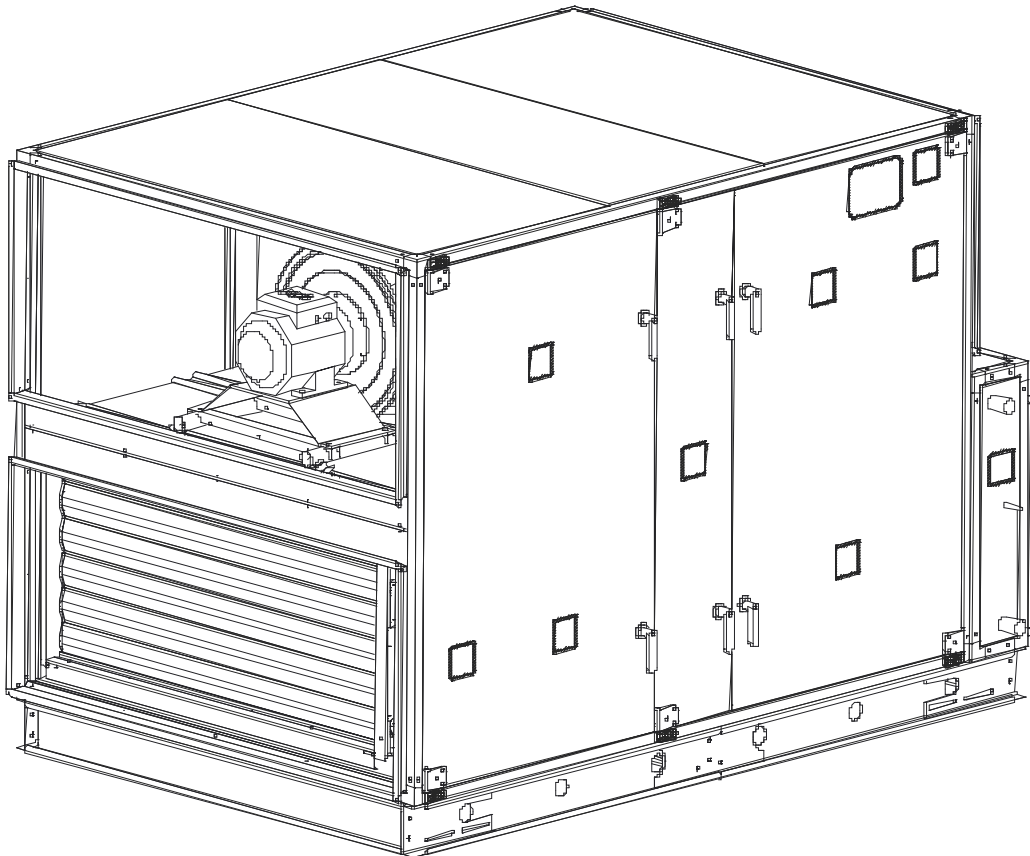


Dismantling and disposal manual

Air Handling Units

Danvent DV & TIME



Version 1.01.08

Dismantling and disposal

During disassembly – pay attention to sharp edges

Pay attention to several sharp edges during dismantling and disposal of the unit. To avoid injury, CE-marked cut-resistant gloves as well as safety helmet must be used.

Disposal of the heat pump system - type DVU-HP

Prior to the disposal of the DVU-HP unit section, the refrigerant in the heat pump system must be drained off by a skilled technician from a certified company. After correct evacuation of the refrigerant, the DVU-HP unit section is disposed of in the same way as the rest of the air handling unit.

Dismantling and disposal of panels and doors

Panels and doors are mounted with screws for easy dismantling.

Prior to disposal of panels and doors, steel plates and insulation must be separated.

Separate the inner and outer steel plates of panels and doors with appropriate cut-off grinders. The easiest cutting line is about 1 cm from the edge of the inner plate.

Panels and doors with a horizontal dimension of between 150 and 400 mm are insulated with high-density mineral wool plates (Rockwool), and after separation of inner and outer plates with a cut-off grinder, the plates will fall apart, providing free access to removing the Rockwool.

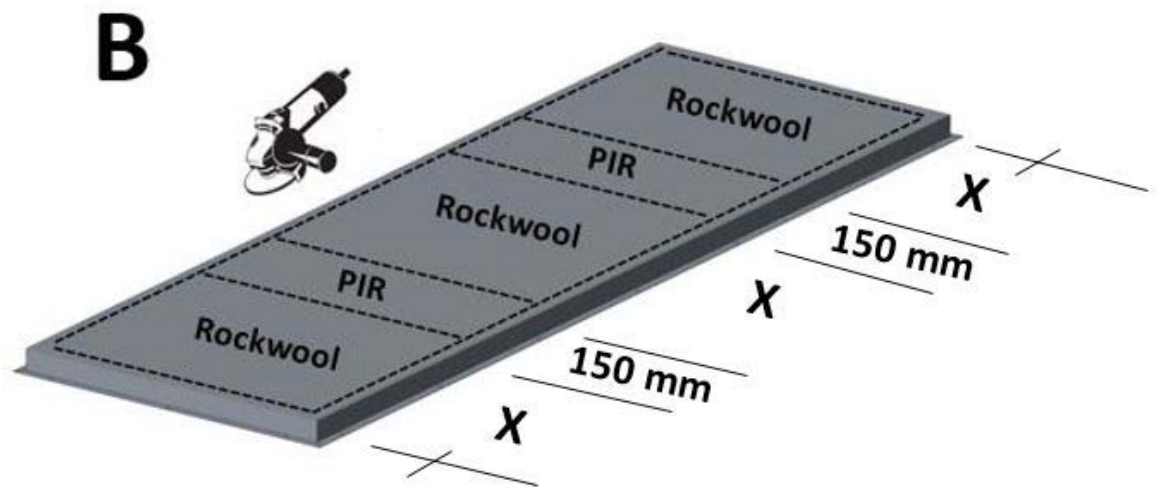
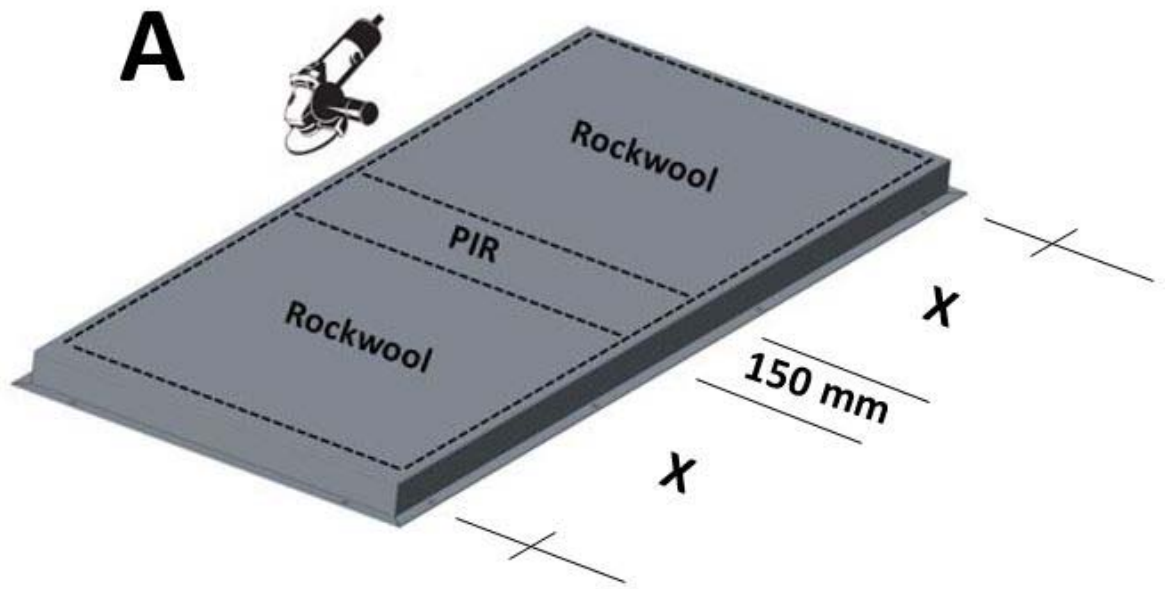
Panels and doors with a horizontal dimension of 450 mm or more are insulated with high-density mineral wool plates (Rockwool) and high-density polyisocyanurate plates (PIR). Ideal cutting lines for the cut-off grinder are illustrated below in the illustration A and the illustration B. The PIR is glued to the steel plates but it is not too difficult to separate the PIR plate from the steel plates by using moderate force. The panels and doors called A in the below illustration contain only one internal PIR plate. The panels and doors called B in the below illustration contain two internal PIR plate.

Panels and doors contain one or two PIR plates depending on the dimensions. This is illustrated in the table below.

The PIR plates are always 150 mm wide.

For the type A panel or door with only one PIR plate, the distance between the PIR plate and both ends of the panel or the door is always the same. This is illustrated by X in the 2 places in the illustration below.

For the type B panel or door with 2 PIR plates, the distance between the two PIR plates and as well as both ends of the panel or the door is always the same. This is illustrated by X in the 3 places.



Panels and doors with one internal PIR plate are called A

Panels and doors with two internal PIR plates are called B

		Vertical dimension in mm of panel and door															
		450	600	675	750	825	900	975	1050	1200	1350	1500	1650	1800	1950	2100	2250
Horizontal dimension in mm of panel and door	150																
	225																
	250																
	300																
	375								A		A		A		A		
	390											A	A				A
	400									A	A	A	A				A
	450		A	A	A	A	A	A	A	A	A	A	A	B	B	B	B
	525								A		A		A		B		
	540											A	A				
	550									A	A	A	A				B
	600		A	A	A	A	A	A	A	A	A	A	A	B	B	B	
	675				A		A		A	A	A	A	A				
	680									A	A	A	A				B
	700									A	A	A	A				B
	750				A	A	A	A	A	A	A	A			B	B	
	825						A						B		B		
	850									A	A	A	B				
	900						A	A	A	A	A	B	B				
1050								A									
1350											B						

Disposal of the PIR plates

PIR plates cannot be recycled. PIR plates are not flammable or combustible.

The refuse code: 07 02 13

This type of PIR plates can be incinerated in special plants.

The following 3 pages are a copy of the classification report from the accredited test institute:

Applus - LGAI

LGAI

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Applus⁺
laboratories

V/F
Page 1

Bellaterra: 21st May, 2013
File: **13/6635-2542 Part 2**
Petitioner's reference: **Bayer Material Science A/S**
Kronborgvej 24
5450 Otterup
Denmark



CLASSIFICATION REPORT

1-PRODUCT CHARACTERISTICS

Commercial product reference: **Baymer BXX-35-A-165/UIP**

PIR foam, with 75 and 100 mm thickness, 35-40 kg/m³ in density and yellow colour.

This document may only be copied in full.
Only reports with an original signature on their respective certified copies will be legally valid.
This document has 3 pages, of which -- are annexes.

2- CLASSIFICATION AND DIRECT APPLICATION FIELD

This classification has been made in compliance with the procedures provided in Standard UNE-EN 13501-1:2007+A1:2010: "Classification in terms of the behaviour to fire of construction products and building elements. Part 1: Classification made from the data gathered during fire reaction tests".

2.1- Test Reports

Name of Laboratory	Applus – LGAI
Name of Petitioner	BAYER MATERIAL SCIENCE A/S
Test Report Number	13/6635-2542 Part 1
Testing method	UNE-EN-ISO 11925-2:2011

2.2- Results of the Tests

Testing method	Baymer BXX-35-A-165/UIP			
	CRITERIA CLASS B	Nº OF TESTS	MEAN VALUE	COMPLIANCE
UNE-EN-ISO 11925-2:2011	$F_s \leq 150$ mm within 60 s	12	$F_s < 150$ mm	YES

CLASSIFICATION

With regard to its behaviour when reacting to fire, the product, *BAYMER BXX-35-A-165/UIP*, is classified as follows:

Behaviour to fire	Smoke production	Droplets in flames
E	s	d

Fire reaction classification: CLASS E

This classification is only valid for the final conditions of use described in the present report.

"Point "2.3 – Field of Application" below falls beyond the ENAC accreditation scope".

2.3- Field of application

- This classification is valid for the following product parameters:

The classification is only valid for the product characteristics shown, with the following parameters being extended:

-Variable parameter 1: THICKNESS

After performing the test with a thickness of 60 mm, by extension it is concluded that the product BAYMER BXX-35-A-165/UIP, with thicknesses equal or more than 60 mm are included in the following Euroclass:

Fire reaction classification: CLASS E
This classification is only valid for the final conditions of use described in the present report.

- The classification is valid for the following final conditions of use:

The foam is to be used as insulation in eg. reefer truck or as insulation in buildings.

2.4- Restrictions

This classification standard should not be construed as a standard approval or certification of the product.



Digitally signed by
Jordi Mirabent
Junyent



Digitally signed by
Vanessa Tutusaus
Domingo

Chief of Fire Laboratory
LGAI Technological Center S.A.

Chief of Euroclass
LGAI Technological Center S.A.

The results refer exclusively to the samples tested at the time and under the conditions indicated.

Applus+ guarantees that this task has been carried out in compliance with the requirements of our Quality and Sustainability System, and furthermore, that the contractual terms and legal regulations have been complied with. In the framework of our improvement programme, we would appreciate any comments you may deem appropriate. These should be addressed to the manager who signs this document, or to the Quality Director of Applus+, at the following address: satisfaccion.cliente@appluscorp.com
