
CERTIFICATE OF APPROVAL

N° 220656

DATE: 22/12/2022

PACKAGING APPROVAL N°: **NL/TCPI-Promens3-140531**

HOLDER UN MARK: **Rotovia Deventer B.V.**
Zweedsestraat 10
7418 BG DEVENTER
The Netherlands

MANUFACTURER: **Rotovia Deventer B.V.**
Zweedsestraat 10
7418 BG DEVENTER
The Netherlands

T&CPI order number **T&CPI-22.103**

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Eng. J.A.G. (Hans) van Crugten
Project manager



Dr. Ann Delmotte
General Manager

1. Description of the packaging

Composite IBC for liquids, with rigid plastics inner receptacle	
UN packaging code:	31HH1
Method of construction:	Roto-moulding
Type identification:	VARIBOX 1000FC and 800FC, Full Containment
Material/grade	
- Inner receptacle	LLDPE Lupolen 3621 M RM or Total mPE M3581 UV or Dowlex NG 2432UE.10
- Outer casing	LLDPE Lupolen 3621 M RM or Total mPE M3581 UV or Dowlex NG 2432UE.10
- Lid	HDPE 160x7 S56x4
- Gasket in lid	EPDM or FKM
Method of construction:	Roto-moulding

	VARIBOX 1000FC	VARIBOX 800FC
Nominal capacity	1010 litres	835 litres
Nominal dimensions (l x d x h)	1200x1000x1325 mm	1200x1000x1160 mm
Nominal mass		
- complete	122 kg	113 kg
- inner receptacle	32 kg	29 kg

Openings at the top of the inner receptacle (optional):
Extra features:

4 openings for extra features

- venting system Promens Combi-Vent
- venting (airing) system Promens Vacuum-Relief-Vent
- suction tube with coupling: TriSure Push-Lock cap, Colder DQPro, Micromatic (C)DV, Camlock or AS QC.
- level sensor electric switch on suction tube
- 2 stainless steel plates (120x60 mm) on front and back of the pallet

Option:

Track and trace equipment
Making cuts in the outer case in the old configuration of the IBC for repair.

2. Reference regulations

Sea transport:	IMDG Code, 2020
Air transport:	ICAO TI, 2021/2022
Road transport:	ADR, 2021
Railway transport:	RID, 2021

3. Reference reports

BVI report:	T-14.013, dated May 8, 2014
TCPI assessment report:	T&CPI-14.028a, dated May 18, 2014 (selective test program)
BVI report:	T-14.021, dated September 8, 2014
BVI report:	T-14.030, dated November 4, 2014
TCPI assessment report:	T&CPI-15.030, dated June 16, 2015 (assessment 800L)
BVI report:	IBC-15.059, dated April 20, 2016
BVI report:	IBC-16.103, dated December 5, 2016
BVI report:	T-16.022, dated December 21, 2016
TCPI assessment report:	T&CPI-17.063, dated July 26, 2017
TCPI assessment report:	T&CPI-17.064, dated July 26, 2017
BVI report:	T-17.028, dated October 10, 2017
TCPI assessment report:	T&CPI-19.034, dated June 21, 2019
BVI report:	T-19.029, dated November 28, 2019
TCPI assessment report:	T&CPI-20.057, dated August 27, 2020
TCPI assessment report:	T&CPI-21.039, dated July 5, 2021
BVI report:	T-21.042, dated March 31, 2022
BVI report:	T-21.042R, dated August 2, 2022
BVI report:	T-22.001, dated September 22, 2022
TCPI assessment report:	T&CPI-22.103, dated December 22, 2022

4. Contents to be transported

Packing group : II and III
Liquids :

To be assimilated to standard liquid (ADR/RID)	Maximum relative density in kg/l	Hydraulic test pressure In kPa
water	1.9	110
Mixture of hydrocarbons	1.6	110
n-butyl acetate	1.6	110
Wetting agent	1.6	110
Acetic Acid 98%	1.6	110
Nitric Acid 55%	1.6	110
Original liquid	Maximum relative density	Hydraulic test pressure
Nitric Acid 62% ^{1,3}	1.4	110
Sopuroxid 15 ^{1,2}	1.2	100
Lerasept® Forte ^{2,4}	1.2	100
Lerasept® Spezial 10 ^{2,4}	1.2	100
Lerasept® Spezial LF ^{2,4}	1.2	100
P3-Oxinia Active S ^{2,5}	1.2	110
P3-Oxinia Active 150 ^{2,5}	1.2	110
Ultrasil 415 HACCP ^{2,5}	1.2	110
P3-oxolith TR ^{2,5}	1.2	110
P3-Oxinia Active ^{2,5}	1.2	110
Oxybrite Perfect ^{2,5}	1.2	110
Ozonit ^{2,5}	1.2	110
Ozonit Super ^{2,5}	1.2	110
Turbo ^{2,5}	1.2	110

¹The maximum period of use is restricted to 2 years for Sopuroxid 15.

²Only LLDPE Lupolen 3621 M RM is allowed for use for manufacturing for this content.

³Not allowed with raw material Dowlex NG 2432UE.10

⁴Only allowed for Stockmeier Chemie Eilenburg GmbH & Co.KG and Stockmeier Chemie GmbH & Co KG.

⁵Only allowed for Ecolab Production France

Stacking height during transport : 2 high (1 on 1)

5. UN mark

T&C Packaging International as competent authority in The Netherlands has issued the following mark:

VARIBOX 1000FC**31HH1/Y/**--/NL/TCPI-PROMENS3-140531/3750/2028**

Capacity at 20°C	:	1025 litres
Tare mass	:	122 kg
Test pressure	:	110 kPa
Date of the last leakproofness test	:	month and year
Date of the last inspection	:	month and year
Maximum permitted stacking load	:	2080 kg

**-- the month and the last two digits of the year in which the packaging was produced should be entered here.

The inner receptacle of the IBC must be marked as follows:

31HH1/Y/--/NL/TCPI-PROMENS3-140531**

**-- the month and the last two digits of the year of production

or

31HH1/Y/NL/TCPI-PROMENS3-140531

in combination with a "month/year clock" adjacent to this mark

VARIBOX 800FC**31HH1/Y/**--/NL/TCPI-PROMENS3-140531/ 3060/1700**

Capacity at 20°C	:	835 litres
Tare mass	:	113 kg
Test pressure	:	110 kPa
Date of the last leakproofness test	:	month and year
Date of the last inspection	:	month and year
Maximum permitted stacking load	:	1700 kg

**--the month and the last two digits of the year in which the packaging was produced should be entered here.

The inner receptacle of the IBC must be marked as follows:

31HH1/Y/--/NL/TCPI-PROMENS3-140531 – 800L**

**--the month and the last two digits of the year of production

or

31HH1/Y/NL/TCPI-PROMENS3-140531 – 800L

in combination with a "month/year clock" adjacent to this mark

These marks can be used by the holder of the UN-mark, Promens Deventer B.V., Deventer, The Netherlands, to indicate that the packaging and inner receptacles produced meet the requirements.

6. Quality assurance

Manufacturing of packaging bearing this mark must be according to a quality assurance system as required by the competent authority in The Netherlands and laid down in the applicable Guideline.

7. Use of packagings

The use of packaging of the approved type for the transport of dangerous goods has been laid down in the regulations applicable in the mode of transport.

8. Validity

This approval replaces all approvals issued earlier.
The use of packaging, manufactured in a period in which a previous approval was valid, is allowed.



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