

Stability Assessment Report

Recreational Craft and Personal Watercraft Directive

Legislation reference	2013/53/EU: Annex I Essential Requirements A3.2 & A3.3		
Assessment module	A1: Internal production control plus supervised product testing		
Report number	HPiVS-iR1203-010-02-01		
Manufacturer	Topper International Ltd. Kingsnorth Technology Park, Wotton Road Ashford TN23 6LN United Kingdom		
Watercraft Model	Topper (from sail no. 49050)		
Description	Sailing dinghy with rigid hull	Max. sail area:	6.4 m ²
No. of Hulls	1		
Design Category	C		
Length (m)	Max. (L _{MAX}): 3.40	Hull (L _H):	3.40
Beam (m)	Max. (B _{MAX}): 1.20	Hull (B _H):	1.20
Maximum Load (kg)	M _{ML}	160	
Load on Builder's Plate	Category	People	Mass (m _{MBP} kg)
	C	2	160
Min. crew weight (kg)	for capsized recovery	30	4.2 & 5.3 rigs
		55	6.4 rig
Displacement (kg)	Empty Craft Condition	m _{EC}	40
	Light Craft Condition	m _{LC}	45
	Minimum Operating Condition	m _{MO}	120
	Loaded Arrival Condition	m _{LA}	205
	Maximum load Condition	m _{LDC}	205
Assessment Standard(s)	EN ISO 12217-3:2017 Stability & buoyancy assessment & categorization: Boats of hull length < 6m		
ISO 12217 Test Option	7		

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Assessment Results

Project Manager's Verdict I have completed an evaluation of the stability and buoyancy requirements of Topper (from sail no. 49050) and find that it/they satisfy the referenced requirements.

Alasdair Reay

A handwritten signature in blue ink, appearing to read 'Alasdair', positioned above a horizontal line.

30 October 2023

Project Reviewer's Verdict The Topper (from sail no. 49050) meets the relevant Essential Requirements of the RCD as shown above and Stability Report no. HPiVS-iR1203-010-02-01 has been issued.

Maria Garcia Donaire

A handwritten signature in blue ink, appearing to read 'Maria Garcia Donaire', positioned above a horizontal line.

31 October 2023

Document History

This is issue 01 of this document

Terms and Conditions

This Report can be used for all examples of this model, provided that they are produced in conformity with the specification assessed by HPiVS.
HPiVS must be informed of any changes to the product that could invalidate this Report.

Marking of the Product(s)

The manufacturer may affix a CE mark to the end products only after they have satisfied themselves that the products have been produced in accordance with all the Essential Requirements of the Directive.

This module A1 Stability Assessment Report permits the manufacturer to show the Notified Body identification number (2810) on the watercraft.



Stability Assessment Report

The Recreational Craft Regulations 2017

Legislation reference SI 2017 no. 737 as amended: Schedule 1 A3.2 & A3.3

Assessment module AI: Internal production control plus supervised product testing

Report number **HPiUK-R1203-010-02-01**

Manufacturer **Topper International Ltd.**
Kingsnorth Technology Park, Wotton Road
Ashford
TN23 6LN
United Kingdom

Watercraft Model **Topper (from sail no. 49050)**

Description Sailing dinghy with rigid hull Max. sail area: 6.4 m²

No. of Hulls 1

Design Category C

Length (m) Max. (L_{MAX}): 3.40 Hull (L_H): 3.40

Beam (m) Max. (B_{MAX}): 1.20 Hull (B_H): 1.20

Maximum Load (kg) M_{ML} 160

Load on Builder's Plate

Category	People	ISO 14945:2021 Mass (m _{MBP} kg)
C	2	160

Min. crew weight (kg) for capsized recovery

30	4.2 & 5.3 rigs
55	6.4 rig

Displacement (kg)

Load Condition		ISO 14945:2021 Mass (kg)
Empty Craft	m _{EC}	40
Light Craft	m _{LC}	45
Minimum Operating	m _{MO}	120
Loaded Arrival	m _{LA}	205
Maximum load	m _{LDC}	205

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Assessment Standard(s)

EN ISO 12217-3:2017 Stability & buoyancy assessment & categorization:
Boats of hull length < 6m

ISO 12217 Test Option

7

Assessment Results

Project Manager's Verdict I have completed an evaluation of the stability and buoyancy characteristics of the Topper (from sail no. 49050) and find that it/they satisfy the referenced requirements.

Alasdair Reay

30 October 2023

Project Reviewer's Verdict The Topper (from sail no. 49050) meets the relevant Essential Requirements of the RCR as shown above and Stability Report no. HPiUK-R1203-010-02-01 has been issued.

Maria Garcia Donaire

31 October 2023

Document History

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Terms and Conditions

This Report can be used for all examples of this model, provided that they are produced in conformity with the specification assessed by HPiVS. HPiVS must be informed of any changes to the product that could invalidate this Report.

Marking of the Product(s)

The manufacturer shall affix a UKCA mark to the end products only after they have satisfied themselves that the products have been produced in accordance with all the Essential Requirements of the Regulations. This module A1 Stability Assessment Report permits the manufacturer to show the Approved Body identification (1521) number on the watercraft.

