DIN EN ISO 21487:2023-06 (E)

Small craft - Permanently installed petrol and diesel fuel tanks (ISO 21487:2022)

Contents

Page

European foreword ... **3**

Annex ZA (informative) **Relationship between this European Standard and the essential requirements of Directive 2013/53/EU aimed to be covered** ... **4**

Foreword ... **6**

Introduction ... **7**

1 Scope ... **8**

2 Normative references ... **8**

3 Terms and definitions ... **8**

4 General properties ... **9**
4.1 Resistance to liquids in contact ... 9
4.2 Copper-based alloys ... 9
4.3 Provisions to tanks ... 9
4.4 Installation of tanks ... 10
4.4.1 Non-integral tank mechanical fixing ... 10
4.4.2 Other installation requirements ... 10

5 Petrol fuel tanks: design and type tests ... **10**
5.1 Design ... 10
5.2 Tests ... 11

6 Diesel fuel tanks: design and type tests ... **11**
6.1 Design ... 11
6.2 Tests ... 11

7 Type tests ... 12
7.1 General ... 12
7.2 Pressure tests ... 12
7.2.1 Leakage test ... 12
7.2.2 Pressure/strength type test ... 13
7.3 Pressure-impulse type test for petrol fuel tanks ... 14
7.4 General fire-resistance test for non-metallic fuel tanks ... 14
7.5 Fire-resistance test for non-metallic fuel tanks as installed ... 17

8 Marking ... **18**

Annex A (informative) **Permeation testing of non-metallic fuel tanks** ... **19**

Bibliography ... **23**