

# DIN EN ISO 12402-5:2021-04 (E)

## Personal flotation devices - Part 5: Buoyancy aids (level 50) - Safety requirements (ISO 12402-5:2020)

---

<b>Contents</b>		<b>Page</b>
<b>European foreword</b> .....		<b>4</b>
<b>Annex ZA (informative) Relationship between this European Standard and the essential requirements of Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment aimed to be covered</b> .....		<b>5</b>
<b>Foreword</b> .....		<b>7</b>
<b>Introduction</b> .....		<b>8</b>
<b>1</b>	<b>Scope</b> .....	<b>10</b>
<b>2</b>	<b>Normative references</b> .....	<b>10</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>10</b>
<b>4</b>	<b>Classification of PFDs</b> .....	<b>13</b>
4.1	Classes.....	13
4.1.1	Buoyancy aids.....	13
4.1.2	Lifejackets.....	13
4.1.3	Special application PFDs.....	13
4.2	Performance levels.....	13
4.2.1	Level 50.....	13
4.2.2	Level 100.....	14
4.2.3	Level 150.....	14
4.2.4	Level 275.....	14
<b>5</b>	<b>Requirements</b> .....	<b>14</b>
5.1	General.....	14
5.1.1	Materials and components.....	14
5.1.2	Means of inflation.....	15
5.1.3	Body strap and lacing ends requirements.....	15
5.1.4	Inflation Status Indicators.....	15
5.1.5	Ride-up prevention system.....	16
5.1.6	Rearming and repacking information.....	16
5.1.7	Oral inflation.....	16
5.1.8	Magnetic properties.....	16
5.2	Combination of buoyancy aids and accessories.....	16
5.3	Types of buoyancy.....	17
5.3.1	General.....	17
5.3.2	Inflatable buoyancy chambers.....	17
5.3.3	Inherently buoyant material.....	17
5.3.4	Total buoyancy provided.....	17
5.3.5	Buoyancy retention factor (V-factor method).....	17
5.4	Conspicuousness.....	20
5.4.1	Colour.....	20
5.4.2	Retroreflective material.....	20
5.5	Strength.....	20
5.6	Performance.....	20
5.6.1	General.....	20
5.6.2	Donning, adjustment and fit.....	21
5.6.3	In-water performance.....	22
5.7	Multi-chamber buoyancy systems.....	22

<b>6</b>	<b>Marking</b> .....	<b>23</b>
6.1	General.....	23
6.2	Information on the buoyancy aid.....	23
<b>7</b>	<b>Information supplied by the manufacturer</b> .....	<b>24</b>
<b>8</b>	<b>Consumer information at point of sale</b> .....	<b>25</b>
8.1	General.....	25
8.2	Plain text version.....	25
8.3	Data list.....	27
8.4	Marking information.....	28
8.5	Colour-code.....	28
	<b>Bibliography</b> .....	<b>30</b>