

# DIN EN 12621:2025-04 (E)

## Machinery for supply and circulation of liquid coating materials - Safety requirements

<b>Contents</b>		<b>Page</b>
	European foreword .....	4
	Introduction .....	5
1	Scope .....	6
2	Normative references .....	8
3	Terms, definitions and symbols .....	10
3.1	Terms and definitions .....	10
3.2	Symbols .....	12
4	Safety requirements and/or protective/risk reduction measures .....	12
4.1	Mechanical .....	12
4.1.1	Crushing, drawing in or impact .....	12
4.1.2	Parts under pressure .....	14
4.1.3	Slipping .....	15
4.2	Electrical .....	16
4.2.1	General .....	16
4.2.2	External influences on the electrical equipment .....	16
4.3	Temperature .....	16
4.3.1	Hot surfaces .....	16
4.3.2	Thermal stability .....	17
4.3.3	Heating system .....	17
4.4	Noise .....	17
4.5	Hazardous substances .....	18
4.5.1	General .....	18
4.5.2	Health .....	20
4.5.3	Fire .....	20
4.5.4	Explosion .....	21
4.6	Failure of energy supply .....	25
4.7	Control system .....	25
5	Verification of safety requirements and/or protective/risk reduction measures .....	27
6	Information for use .....	34
6.1	General .....	34
6.2	Instructions for operation .....	34
6.3	Instructions for maintenance .....	35
6.4	Instructions for installation .....	35
6.4.1	General .....	35
6.4.2	Supply hoses for application equipment and their fittings .....	36
6.4.3	Ventilation .....	36
6.5	Marking .....	36
6.5.1	Warning signs .....	36
6.5.2	Type plate .....	36
6.6	Sales literature .....	36
	Annex A (informative) List of significant hazards .....	37
	Annex B (informative) Energy-efficiency and reduction of environmental impact .....	40

<b>B.1</b>	<b>General .....</b>	<b>40</b>
<b>B.2</b>	<b>Machinery .....</b>	<b>40</b>
<b>Annex C (informative)</b>	<b>Significant technical changes between this European Standard and the previous edition .....</b>	<b>42</b>
<b>Annex ZA (informative)</b>	<b>Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered .....</b>	<b>44</b>
<b>Annex ZB (informative)</b>	<b>Relationship between this European Standard and the essential Health and Safety Requirements of Directive 2014/34/EU aimed to be covered .....</b>	<b>47</b>
<b>Bibliography .....</b>		<b>50</b>