

DIN EN 12621:2025-04 (E)

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

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