DIN EN 12753:2011-02 (E)

Thermal cleaning systems for exhaust gas from surface treatment equipment - Safety requirements (includes Amendment A1:2010)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 6

3 Terms and definitions 7

4 List of significant hazards 9
4.1 General 9
4.2 Fire and explosion hazards 9
4.3 Hazards generated by residual process gases 12

5 Safety requirements and/or protective measures 12
5.1 General 12
5.2 Fire and explosion 12
5.3 Requirements against hazards generated by residual process gas 19

6 Verification of the safety requirements and / or protective measures 19

7 Information for use 20
7.1 General 20
7.2 Instruction handbook 20
7.3 Marking 22

Annex A (informative) Schematic views of thermal cleaning systems 23

Annex B (informative) Temperature dependency of LEL 27

Annex C (informative) Operating parameters, conditions for use and measurement methods 31

Annex D (informative) Guidelines for thermal cleaning systems operating at increased concentrations 32

Annex E (informative) References to national exposure limit values 34

Annex F (normative) Classification of material's reaction to the fire -- national standards 35

Annex G (informative) Relation between categories and zones 36

Annex ZA (informative) !!!Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC""""" 37

Bibliography 38