

# DIN EN 12753:2011-02 (E)

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

---

<b>Contents</b>		<b>Page</b>
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