

# ISO 28763:2008-10 (E)

## Vitreous and porcelain enamels - Regenerative, enamelled and packed panels for air-gas and gas-gas heat exchangers - Specifications

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	2
4	Steel substrates .....	3
4.1	Delivery .....	3
4.2	Analysis .....	3
4.3	Hydrogen permeability .....	3
4.4	Fish scale test .....	3
4.5	Pickling speed .....	4
5	Enamel frit(s) .....	4
5.1	Delivery .....	4
5.2	Coefficient of expansion .....	4
5.3	Fusion flow .....	4
5.4	Boiling water vapour resistance .....	4
5.5	Acid resistance .....	4
5.6	Thermal shock resistance .....	5
5.7	Adherence .....	5
6	Characteristics of the enamel coating .....	5
6.1	Adherence .....	5
6.2	Thickness .....	5
6.3	Thermal shock resistance .....	6
6.4	Fundamental defects .....	6
6.5	Open defects .....	7
6.6	Edge covering of gas-gas heaters .....	7
6.7	Boiling sulphuric acid resistance .....	7
6.8	Rework .....	7
7	Characteristics after packing .....	8
7.1	Packing pressure .....	8
7.2	Visual examination .....	8
7.3	Edge covering of gas-gas heaters .....	8
8	Documentation .....	8
Annex A (normative)	Method for determining thermal shock resistance of vitreous or porcelain enamel coatings .....	10