



The Institute of Vitreous Enamellers

VITREOUS ENAMEL ASSOCIATION

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STANDARD TEST METHODS APPLICABLE TO VITREOUS ENAMEL

British Standards Number	EN Number	ISO Number	Description
BS 1344: Part 1: 1994			Determination of resistance to thermal shock of coatings on articles other than cooking utensils and fabricated sheet steel components
BS 1344: Part 4: 1968			Resistance to abrasion
		BS ISO 4528: 2000	Vitreous and porcelain enamel finishes - Selection of test methods for vitreous and porcelain enamelled areas of articles
BS 1344: Part 7: 1984		ISO 4530:1983	Determination of resistance to heat
BS 1344: Part 11: 1998		ISO 2746: 1998	High voltage test for enamelled articles for service under highly corrosive conditions
BS1344: Part 12: 1996		ISO 2723: 1995	Production of specimens for testing coatings on sheet steel
BS1344: Part 13: 1975		ISO 2724: 1973	Production of specimens for testing coatings on cast iron
BS1344: Part 16: 1998		ISO 2747: 1998	Resistance to thermal shock of coatings on cooking utensils
BS1344: Part 18: 1981		ISO 4534: 1980	Determination of fluidity behaviour: fusion flow
BS1344: Part 21: 1993		ISO 4532: 1991	Determination of resistance of vitreous enamelled articles to impact: pistol test
BS1344: Part 22: 1994			Determination of resistance to thermal shock of coatings for fabricated sheet steel components such as burners and pan supports for cookers
	BS EN 1388-1: 1996		Materials and articles in contact with foodstuffs - Silicate surfaces Part 1: Determination of the release of lead and cadmium from ceramic ware
	BS EN 1388-2: 1996		Materials and articles in contact with foodstuffs - Silicate surfaces Part 2: Determination of the release of lead and cadmium from silicate surfaces other than ceramic ware
		ISO 6370-1: 1991	Determination of the resistance to abrasion - Abrasion testing apparatus
		ISO 6370-2: 1991	Determination of the resistance to abrasion - Loss in mass after sub-surface abrasion
BS 6748: 1986			Limits of metal release from ceramic ware, glassware, glass ceramic ware and vitreous enamel ware.
BS 7957: 2000			Determination of self-cleaning properties
		BS ISO 8289: 2001	Vitreous and porcelain enamels - Low voltage test for detecting and locating defects
		ISO 8291: 1986	Method of test of self-cleaning properties

		BS ISO 13804: 1999	Vitreous and porcelain enamels for aluminium - production of specimens for testing
		BS ISO 13805: 1999	Vitreous and porcelain enamels for aluminium - Determination of the adhesion of enamels on aluminium under the action of electrolytic solution (spall test)
		BS ISO 13807: 1999	Vitreous and porcelain enamels - Determination of crack formation temperature in the thermal shock testing of enamels for the chemical industry
	BS EN 14430: 2004		Vitreous and porcelain enamels - High voltage test
	BS EN 14483-1: 2004		Vitreous and porcelain enamels - Determination of resistance to chemical corrosion Part 1: Determination of resistance to chemical corrosion by acids at room temperature
	BS EN 14483-2: 2004		Vitreous and porcelain enamels - Determination of resistance to chemical corrosion Part 2: Determination of resistance to chemical by boiling acids, neutral liquids and/or their vapours.
	BS EN 14483-3: 2004		Vitreous and porcelain enamels - Determination of resistance to chemical corrosion Part 3: Determination of resistance to chemical corrosion by alkaline liquids using a hexagonal vessel.
	BS EN 14483-4: 2004		Vitreous and porcelain enamels - Determination of resistance to chemical corrosion Part 4: Determination of resistance to chemical corrosion by alkaline liquids using a cylindrical vessel.
	BS EN 14483-5: 2004		Vitreous and porcelain enamels - Determination of resistance to chemical corrosion Part 5: Determination of resistance to chemical corrosion in closed systems.
	BS EN 14863: 2005		Vitreous and porcelain enamels - Determination of the edge covering on enamelled steel plate to be used in heat exchangers
	pr EN 15206		Vitreous and porcelain enamels - Production of specimens for testing enamel on sheet steel, aluminium and cast iron.
		BS EN ISO 15695: 2001	Vitreous and porcelain enamels - Determination of scratch resistance of enamel finishes