

# ISO/TR 17870-2:2015-08 (E)

## Ceramic tiles - Guidelines for installation - Part 2: Installation of thin ceramic wall and floor tiles and panels

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
Introduction .....		vi
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
3.1	General .....	2
3.2	Components of thin ceramic tiling .....	2
3.3	Thin tiling techniques and operations .....	3
3.4	Characteristics/aspects of thin ceramic tiling .....	4
<b>4</b>	<b>Exchange of information .....</b>	<b>5</b>
<b>5</b>	<b>Materials .....</b>	<b>5</b>
5.1	General .....	5
5.2	Basic materials .....	5
5.3	Basic information .....	6
<b>6</b>	<b>Specification .....</b>	<b>8</b>
6.1	General .....	8
6.2	The project data .....	8
6.2.1	Installation location and working conditions .....	8
6.2.2	Backgrounds .....	9
6.3	Selection and specification of the materials .....	10
6.3.1	Criterion of performance .....	11
6.3.2	Criterion of compatibility .....	11
6.3.3	Criterion of safety .....	11
6.3.4	Adhesives .....	11
6.4	Specification of the thin tiling .....	12
6.4.1	Thin tiling system .....	12
6.4.2	Thin tile joints .....	12
6.4.3	Movement joints .....	13
<b>7</b>	<b>Installation .....</b>	<b>14</b>
7.1	General .....	14
7.2	Analysis of the specification and planning of the work .....	14
7.3	Control of environmental conditions .....	15
7.4	Storage and control of the materials .....	15
7.5	Control and preparation of the background, preparation of the bedding material, application of bedding and thin tiles and panels .....	16
7.6	Installation of movement joints .....	17
7.7	Cleaning and protection .....	17
<b>8</b>	<b>Quality of thin ceramic tiling: characteristics and requirements .....</b>	<b>17</b>
8.1	General characteristics of thin ceramic tiling .....	17
8.2	Guidelines for the specification of the requirements and their recommended tolerances	18
8.2.1	General .....	18
8.2.2	Regularity .....	18

8.2.3	Durability .....	20
8.2.4	Safety .....	20
9	Initial cleaning, protection, and maintenance .....	22
9.1	General .....	22
9.2	Initial cleaning .....	22
9.3	Protection .....	22
9.4	Treatment .....	22
9.4.1	Surface waterproofing treatments .....	22
9.4.2	Temporary thin ceramic tile or thin ceramic panel sealers .....	23
9.5	Maintenance .....	23
	Bibliography .....	24