

# ISO 7728:2026-03 (E)

## Typical horizontal joints between an external wall of prefabricated ordinary concrete components and a concrete floor - Properties, characteristics and classification criteria

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
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>
<b>4</b>	<b>Properties of joints and agents to which they are exposed .....</b>	<b>2</b>
<b>4.1</b>	<b>Properties .....</b>	<b>2</b>
<b>4.2</b>	<b>Agents to which joints are exposed .....</b>	<b>3</b>
<b>5</b>	<b>Characteristics of joints .....</b>	<b>4</b>
<b>5.1</b>	<b>General .....</b>	<b>4</b>
<b>5.2</b>	<b>Thermal transmission between internal and external environments .....</b>	<b>4</b>
<b>5.3</b>	<b>Influence of joint on acoustical insulation of the floor .....</b>	<b>4</b>
<b>5.4</b>	<b>Air permeability of joints (between either external and internal environments, or spaces separated by the floor) .....</b>	<b>4</b>
<b>5.5</b>	<b>Water tightness .....</b>	<b>4</b>
<b>5.5.1</b>	<b>General .....</b>	<b>4</b>
<b>5.5.2</b>	<b>Sealing and waterproofing measures of joints .....</b>	<b>6</b>
<b>5.5.3</b>	<b>Overlap .....</b>	<b>7</b>
<b>5.5.4</b>	<b>Capillary break .....</b>	<b>7</b>
<b>5.5.5</b>	<b>Air tightness .....</b>	<b>7</b>
<b>5.6</b>	<b>Water vapour condensation on the internal face of the wall and floor in the vicinity of the joint .....</b>	<b>7</b>
<b>5.7</b>	<b>Transmission of forces .....</b>	<b>8</b>
<b>5.7.1</b>	<b>Load-bearing external wall, self-supporting external wall .....</b>	<b>8</b>
<b>5.7.2</b>	<b>Supported external wall .....</b>	<b>8</b>
<b>5.8</b>	<b>Fire resistance .....</b>	<b>8</b>
<b>5.9</b>	<b>Emission of gases or toxic fumes in the event of fire .....</b>	<b>8</b>
<b>5.10</b>	<b>Internal and external appearance .....</b>	<b>8</b>
<b>5.11</b>	<b>Durability .....</b>	<b>8</b>
<b>6</b>	<b>Other indications to be given .....</b>	<b>9</b>
<b>6.1</b>	<b>Maintenance of jointing materials .....</b>	<b>9</b>
<b>6.2</b>	<b>Replacement of degradable jointing materials .....</b>	<b>9</b>
<b>6.3</b>	<b>Dismantling and reassembling components .....</b>	<b>9</b>
<b>7</b>	<b>Dimensional coordination .....</b>	<b>9</b>
<b>8</b>	<b>Classification criteria .....</b>	<b>9</b>
Bibliography .....		11