



**International
Standard**

ISO 7729

**Typical vertical joints between two
prefabricated ordinary concrete
external wall components —
Properties, characteristics and
classification criteria**

*Assemblages verticaux courants entre deux composants de façade
en béton ordinaire — Propriétés, caractéristiques et éléments de
la classification*

**Second edition
2026-04**

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Published in Switzerland

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Foreword

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This document was prepared by Technical Committee ISO/TC 59, *Buildings and civil engineering works*, Subcommittee SC 19, *Prefabricated building*.

This second edition cancels and replaces the first edition (ISO 7729:1985), which has been technically revised.

The main changes are as follows:

- update of reference documents;
- addition of [Tables 1](#) and [2](#), integrating [4.1](#) and [Clause 8](#);
- redrafting of [Figure 1](#), integrating 5.4.1.1;
- redrafting of [Figure 2](#) and [Figure 3](#), integrating 5.4.1.2;
- addition of μ value calculation reference in [5.5.1](#);
- addition of joint fillers determines the condensation coefficient inside, fire resistance, and emission of gases or toxic smoke in [5.5.1](#), [5.7](#) and [5.8](#);
- addition of explain of heterogeneity coefficient, Q , in [5.9](#);
- redrafting the text describing durability in [5.10](#);
- addition of description of maintenance of jointing materials in [6.1](#).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document outlines a convention for designers about jointing two prefabricated ordinary concrete external wall components.

This convention refers to standardized methods for the determining the properties of the joint. However, the methods for some of these properties are not elaborated. Given the importance of these properties, solutions are proposed and both experience and laboratory studies have shown to be satisfactory under the usual conditions. It should be noted that these solutions are not the only viable option.

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