

Part 1: Hollow profiles - not fully metallic spacer (Category B and C)

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This guideline was prepared in cooperation with the working group “warme Kante” (warm edge) of the Bundesverband Flachglas (Federal Flat Glass Association), consisting of the following cooperating companies:



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Foreword

Spacers for use in insulating glass unit (IGU) are divided into different product groups in the European standard EN 1279-1 [1] (Fig. 1), for some of which rules have been laid down with regard to their interchangeability (category A and category B).

In the working group “warme Kante” of the Bundesverband Flachglas, to which many well-known spacer manufacturers in Europe belong, test methods were defined for categories A to E (Fig. 1) to ensure the permanently consistent quality of the products. These test methods are described in the present guideline VE-17/1. They are based on round robin tests and other already existing and proven guidelines (see literature reference). The data sheets of the Bundesverband Flachglas for specifying Psi values for windows and facades are also based on this quality standard. The spacer systems not covered by category designation are hardly found in the European market and were therefore not processed.

This guideline deals with spacer systems of Category B and Category C.

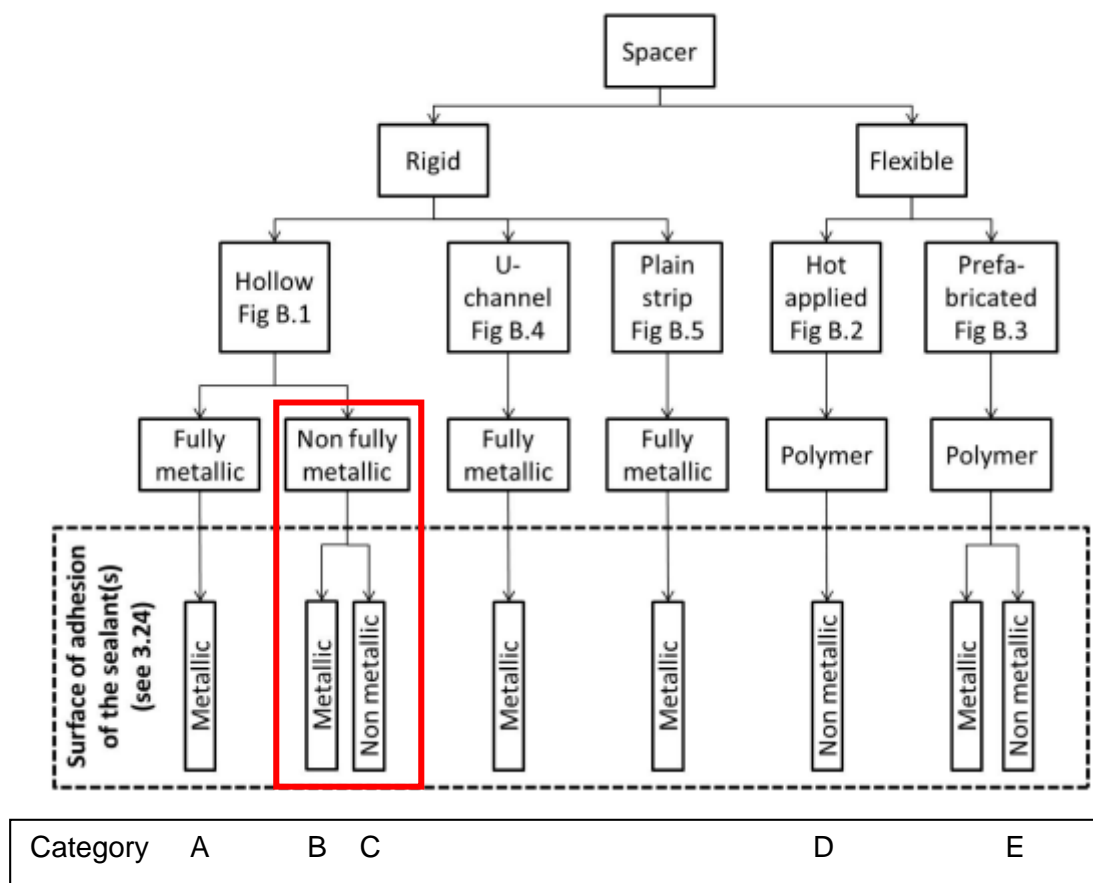


Figure 1 Classification of spacer categories according to EN 1279-1:2018 and division into categories A to E as defined in the working group

Spacer hollow profiles, not fully metallic (see red box), are classified in EN 1279-1, Clause 3, in terms of metallic content with the following definition: