

Revision 1 of EN 14509

Changes and News

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Table Ee: Steel faces

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Pt.	Topic	Chapter	Changes in Rev 1	Kind of changes	Comments ^{E1}
1	Standard for steel flat products	2	EN 10346, Continuously hot-dip coated steel flat products - Technical delivery conditions	new	EN 10326 is replaced by EN 10346. Additional steel types are covered.
2	Steel faces	5.1.2.1.1 2. paragraph	For steels according to EN 10346:2009, Table 1, the steel grade, nominal thickness and tolerance system of each face shall be declared. Tolerances on thickness shall be according to the “special” or “normal” tolerances as described in the relevant standards.	new	New, amongst others, is the requirement, that the tolerance system of each face shall be declared. On the base of this information the design thickness of the steel face can be defined according to chapter E.7.3.
3	Backface coating	5.1.2.1.2. Whole chapter	If the metal face is bonded over its whole area to a rigid foam core with a closed cell structure, the reverse side metallic coating mass shall be a minimum of 50 g/m ² . When relevant to intended end use application, resistance of metallic protective coatings and organic back face coat (duplex coating) against corrosion shall be ensured by laboratory tests. Minimum resistance of backing coat shall be CPI2 according to EN 10169. Additionally to the requirements in EN 10169 only slight colour change ($DE \leq 2,0$) shall be acceptable in the condensation-water test (EN ISO 6270-1) over 1 000 h. NOTE The requirements in 5.1.2.1.2 are only applicable to back face coatings.	new	In this chapter there are defined new requirements regarding metallic protective coatings and organic back face coating. The associated tests for the corrosion protection classes according to EN 13532-3 and EN ISO 6270-1 are usual tests for the producer of coatings. The requirements are fulfilled normally without any problems.
4	Metal facings	6.3.4.2 Second sentence	For all metals that do not have a guaranteed yield stress, material certification shall be provided for every batch.	new	It's a question of special steels according to EN 10346, e.g. DX 51, which have no defined minimum yield strength. The yield strength shall therefore be declared from the producer of the metal facings or must be determined directly from the sandwich producers.