

# Magnelis ZM310, Corrosion protection

## Holder/Issued to

### ArcelorMittal Flat Carbon Europe

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## Information supplied by

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## Product description

Corrosion protection coating, Magnelis ZM310, is a special coating composed by an alloy of zinc, aluminium and magnesium.

## Intended use

Intended as corrosion protection of steel sheet for indoor and outdoor applications.

The corrosion protection is suitable for corrosivity class C5\*, according to in SS-EN ISO 12944-2 described class, based on a deemed expected lifetime of 15 years.

*\*See Comments*

## Trade name

Magnelis ZM310

## Approval

The product satisfies the requirements set forth in chapter 8, 4 § 1 PBL, in respect to and under conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of Boverket mandatory provisions on application of the European construction standards (Eurocodes), (EKS):

EKS

Durability

Durability

Section A, 16 §

Section G, 4 §

## Associated documents

-

## Control

The factory production control (FPC) is monitored by an independent inspection body.

Control agreement: Appendix dated 2014-03-28, Inspection body: Karlsruher Institut für Technologie.

Control agreement: 210-14-0161, Inspection body: RISE Research Institutes of Sweden AB.

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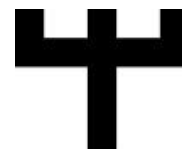
RISE Research Institutes of Sweden AB | Certification

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When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this approval. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this approval is based.

## Manufacturing sites

Production control includes the following place/s:  
ArcelorMittal Liège, Yvoz-Ramet, Belgium  
ArcelorMittal Bremen, Bremen, Germany

## Marking

Products coated with a corrosion protection according to this approval shall be marked. The marking consists of a label on every packing supplied and includes:

Approval holder/Coating plant	ArcelorMittal / Liège or Bremen
Boverket's registered trade mark	✚
Certification body and accreditation number	RISE Certifiering 1002
Product type designation/trade name	Magnelis ZM310
Technical Approval number	SC0559-13
Description/ Properties	Typgodkänt rostskydd klass C5
Consecutive manufacture no./date of production	no./date
Inspection body	KIT/RISE

## Basis for assessment/approval

Report IC 820003 rev 00 from French Corrosion Institute.  
Report Nr. 1942010-1 from Karlsruher Institut für Technologie (KIT)  
Report 8P05884-02 from RISE Research Institutes of Sweden AB.

## Comments

Corrosivity class C5 is assessed according to Nordtest method NT MAT 003 with reference panels made from steel and zinc, in combination with assessments of results from field tests, performed by an independent third part.

The classification as such does not imply that products manufactured from the coated-steel sheet are covered by the certificate. The corrosivity class C5 is valid for the coating and requires an intact coating after installation.

This approval supersedes the previous approval with the same number dated 2019-11-26, valid through 2020-11-25.

## Validity

Valid through 2021-12-31.

The validity of this approval expires when the characteristics included in this approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

Martin Tillander

*This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish text shall take precedence*

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