

## Magnelis ZM310, Corrosion protection

Holder/Issued to

### ArcelorMittal Europe - Flat Products

24-26 boulevard d'Avranches, L-1160 Luxembourg

Organisation number/VAT number: LU19172014

Web: <https://flateurope.arcelormittal.com/>

### Information supplied by

ArcelorMittal Europe – Flat Products, Rue Verte voie, 49, BE- 4400 Sclessin, Belgium

Tel: +32 4 236 31 99, E-mail: [corinne.dieu@arcelormittal.com](mailto:corinne.dieu@arcelormittal.com).

### 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 satisfy 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.

Type approval SC0559-13| 2019-11-26

RISE Research Institutes of Sweden AB | Certification

Box 857, SE-501 15 Borås, Sweden

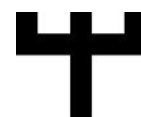
Phone: +46 10-516 50 00

[certifiering@ri.se](mailto:certifiering@ri.se) | [www.ri.se](http://www.ri.se)

2019-06-10



9P01114



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 places

Production control includes the following places:  
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  
Boverket's registered trade mark  
Certification body and accreditation number  
Product type designation/trade name  
Technical Approval number  
Description/ Properties  
Consecutive manufacture no./date of production  
Inspection body

ArcelorMittal / Liège or Bremen  
✚  
RISE Certifiering 1002  
Magnelis ZM310  
SC0559-13  
Typgodkänt rostskydd klass C5  
nr/date  
KIT/RISE

### Basis for assessment/approval

Report No. 3P05801A from SP Technical Research Institute of Sweden.  
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

The evaluation of corrosivity class C5 is performed according to NORDTEST method NT MAT 003 with reference panels of steel and zinc. References for aluminium and magnesium is not part of this evaluation. Corrosivity class C5 requires an intact corrosion protection after installation. This approval supersedes the previous approval with the same number dated 2014-06-05, valid through 2019-06-04.

### Validity

Valid through 2020-11-25.

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.

Stefan Coric

*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.*

Type approval SC0559-13| 2019-11-26

RISE Research Institutes of Sweden AB | Certification