

# Swedish Technical Approval

## SC0559-13

and decision on production control, in accordance with chapter 8, 22 and 23 §§ Planning- and Building Act (2010:900), PBL

### Magnelis ZM310, Corrosion protection coating

#### Holder

ArcelorMittal Global Research & Development, CL / Chavarri 6, 48910 Sestao, Bizkaia, Spain  
VAT number: ES B20431300  
Internet: [www.arcelormittal.com](http://www.arcelormittal.com)

#### Information supplied by

ArcelorMittal Global Research & Development, Rue de la Digue, 22, BE-4400 Flémalle, Belgium  
Tel: +32 4 236 21 99, E-mail: [corinne.dieu@arcelormittal.com](mailto:corinne.dieu@arcelormittal.com).

#### Product

Corrosion protection coating, Magnelis ZM310, is a special coating composed by an alloy of zinc, aluminium and magnesium. Coating thickness 25 µm per side.

#### 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.

#### 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) issued by the National Board of Housing, Building and Planning:

EKS

Durability

Section A, 7 §

Durability

Section E, EN 1993-1-1, clause 2.1.3

#### Associated documents

-

#### Control

Production control is to be performed in accordance with instructions described in control agreement. An independent inspection body audits the control.

Control agreement: Appendix dated 28.03.2014, Inspection body: Karlsruher Institut für Technologie. Agreement no. 210-14-0161, Inspection body: SP Technical Research Institute of Sweden.

### Control (cont.)

When the building proprietor performs inspection at the building site, he shall check the markings to ensure that the correct products have been supplied and that they are used in accordance with the requirements stated in the approval. He must also check that the product is accompanied by a manufacturing assurance, which certifies that the product has been manufactured in accordance with the documents on which this approval is based.

### Manufacturer

Production control includes the following sites:

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 / Manufacturing site

Boverket's registered trademark

Certification body and accreditation number

Product type designation

Properties

**ArcelorMittal / Liège or Bremen**



**SP Certifiering 1002**

**Magnelis ZM310**

**"covered with approved (tg No. SC0559-13) corrosion protection coating in corrosivity category C5"**

Consecutive manufacture No./date of production

Inspection body

**No./date**

**KIT / SP**

### Basis for approval

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

Report No. 133377-2 from Karlsruher Institut für Technologie (KIT).

### Comments

Corrosivity category C5 requires an intact corrosion protection after installation.

### Period of validity

This approval is valid until 04 June 2019.

The validity of this approval expires when the product shall be CE-marked according to the Construction Products Regulation (EU) 305/2011. However, the technical assessment showing that the product fulfils the requirements in the building regulations, issued by the Swedish National Board of Housing, Building and Planning, is not affected.

### SP Technical Research Institute of Sweden Certification

Leif Lundqvist

Krister Svensson

Approval no. SC0559-13, 05 June 2014

Project 3P03199

page 2(2)

#### SP Technical Research Institute of Sweden

Box 857, SE-501 15 Borås, Sverige

Phone: +46 10-516 50 00

E-mail: info@sp.se

www.sp.se

This approval may not be reproduced other than in full, except with the prior written consent by SP. In case of doubt the Swedish language original should be consulted as the authoritative text.