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
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Information supplied by
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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
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Control
Production control is to be performed in accordance with instructions described in control agreement. An independent inspection body audits the control.
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
ArcelorMittal / Liège or Bremen

Boverket’s registered trademark
SP Certifiering 1002

Certification body and accreditation number
Magnelis ZM310

Product type designation
“covered with approved (tg No. SC0559-13) corrosion protection coating in corrosivity category C5”

Properties
No./date
KIT / SP

Consecutive manufacture No./date of production

Inspection body
ArcelorMittal / Liége or Bremen

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

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