

Swedish Technical Approval

SC0799-13

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

ZM Evolution ZM120 and ZM175, Corrosion protection coating

Holder

ArcelorMittal Construction, Site 1, ZI des longues Raies F-55800 CONTRISSON, France
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Product

Corrosion protection coating, ZM Evolution ZM120 and ZM175, are special coatings composed of zinc, aluminium and a magnesium alloy. Coating thickness 9 µm per side for ZM Evolution ZM120 and 13 µm per side for ZM Evolution ZM175.

Intended use

Intended as corrosion protection of steel sheet for indoor- and outdoor applications. The coating can be used as bare metallic coating or as substrate for pre-painted products. The corrosion protection is suitable for corrosivity category C3, according to in SS-EN ISO 12944-2 described class, based on a deemed expected lifetime of 15 years.

Trade name

ZM Evolution, ZM120 and ZM 175

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

Durability

Section A, 7 §

Section E, EN 1993-1-1, kap. 2.1.3

Associated documents

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Control

Production control is to be performed in accordance with instructions for control dated 13 June 2013. An independent inspection body audits the control.

Control agreement: Appendix dated 12 March 2014, Inspection body: Karlsruher Institut für Technologie (KIT).

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 site:

ArcelorMittal Construction, Site 1, ZI des longues Raies F-55800 CONTRISSON

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


Manufacturing site

Boverket's registered trademark

Certification body and accreditation number

Product type designation

Properties

ArcelorMittal
Contrisson F-55800

SP Certifiering 1002
ZM Evolution
"covered with approved (tg No. SC0799-13) corrosion protection coating in corrosivity category C3"

Consecutive manufacture No./date of production

Inspection body

No./date

KIT

Basis for approval

Report 3P07521 from SP Technical Research Institute of Sweden.

Report 133341-1 from Karlsruher Institute für Technologie (KIT).

Comments

Corrosivity category C3 requires an intact corrosion protection after installation.

Period of validity

This approval is valid until 7 April 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 Certifiering

Håkan Thiman

Krister Svensson

Approval no. SC0799-13, 8 April 2014

Project 3P04519

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