

Steel flat products for construction coated with ZM Evolution ZM 60 and ZM120

Holder/Issued to

ArcelorMittal Construction

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

Product description

Steel flat products for construction coated with ZM Evolution ZM 60 or ZM120. Products are manufactured in accordance with EN 10346:2015 with steel grades as specified in table 2 of the standard. ZM Evolution ZM 60 and ZM120 is corrosion protective coatings composed of zinc, aluminium and a magnesium alloy.

Intended use

Products and structures manufactured from steel flat products for indoor- and outdoor applications. Products coated with ZM Evolution ZM 60 or ZM120 are suitable for corrosivity category C2, according to in SS-EN ISO 12944-2 described class, based on a deemed expected lifetime of 15 years. The coating can be used as bare metallic coating or as substrate for pre-painted products.

Trade name

ZM Evolution ZM 60, ZM Evolution ZM 120

Approval

The product satisfies the requirements set forth in chapter 8, 4 § 1 PBL, in respect to and under conditions stated in this type approval, 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):

Durability

Section A, 16 §

This type approval does not cover steel flat products that shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

Associated documents

-

Control

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

Control agreement: Ref no. VAS-00345 including appendix to the control agreement, Inspection body: Karlsruher Institut für Technologie, KIT.

Type Approval SC0799-13 | 2021-06-23

RISE Research Institutes of Sweden AB | Certification

Box 857, 501 15 Borås

+46 10 516 50 00 | certifiering@ri.se | www.ri.se

13083

This document is the property of RISE and may not be reproduced other than in full, except with the prior written approval by RISE



Control (cont.)

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

Marking

Products according to this approval shall be marked. The marking consists of a label on every coil and includes:

Approval holder	ArcelorMittal
Coating plant/Factory code	ArcelorMittal, Contrisson
Boverket's registered trade mark	†
Certification body and accreditation number	RISE Certifiering 1002
Product type designation/trade name	ZM Evolution ZM60 or ZM120
Technical Approval number	SC0799-13
Description/ Properties	Corrosivity category C2
Consecutive manufacture no./date of production	no./date
Inspection body	KIT

Basis for approval

Report 2P02368 and O100104-159077 from RISE Research Institutes of Sweden AB.

Report 2042012 from Karlsruher Institut für Technologie, KIT.

Comments

Determination of corrosivity category according to EN ISO 12944-2:2017 table 1 with reference panels according to ISO 9226. Evaluation performed according to NORDTEST method NT MAT 003.

The corrosivity class C2 requires an intact corrosion protection coating after installation.

Validity

Valid through 2026-06-22

Validity of this type approval can be verified on our website.

The validity of this type approval expires when the type approved product/s with the intended use according to this type 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