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Authorised and
notified according
to Article 10 of
the Council Directive
(89/106/EEC) of
21 December
1988 on the
approximation of
laws, regulations
and administrative
provisions of
Member States
relating to
construction products.



European Technical Approval ETA-13/0790

Trade name:

ZINGA (applied at 180 µm dry film thickness)

Holder of approval:

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Generic type and use of construction product:

Anti-corrosion paint for steel

Valid from: to:

27 June 2013
26 June 2018

Manufacturing plant:

Zingametall BVBA

This European Technical Approval contains:

4 pages



European Organisation for Technical Approvals

I LEGAL BASES AND GENERAL CONDITIONS

1 This European Technical Approval is issued by the British Board of Agrément in accordance with:

- Council Directive 89/106/EEC of 21 December 1988 [Construction Products Directive (CPD)] on the approximation of laws, regulations and administrative provisions of Member States relating to construction products⁽¹⁾, modified by the Council Directive 93/68/EEC of 22 July 1993⁽²⁾
- UK implementation of CPD Statutory Instruments 1991, No 1620. The Building and Building Construction Products Regulations 1991 — made 15 July 1991, laid before Parliament 22 July 1991, coming into force 27 December 1991, and amended by The Construction Products (Amendment) Regulations 1994 (Statutory Instruments 1994, No 3051)
- Common Procedural Rules for Requesting, Preparing and the Granting of European Technical Approvals set out in the Annex to Commission Decision 94/23/EC⁽³⁾
- Manufacturers and importers may use European Technical Approvals issued in accordance with Article 9 of Directive 89/106/EEC before 1 July 2013 as European Technical Assessments throughout the period of validity of those approvals⁽⁴⁾.

2 The British Board of Agrément is authorised to check whether the provisions of this European Technical Approval are met. Checking may take place in the manufacturing plants. Nevertheless, the responsibility for the conformity of the products to the European Technical Approval and for their fitness for the intended use remains with the holder of the European Technical Approval.

3 This European Technical Approval is not to be transferred to other manufacturers or agents of manufacturers other than those indicated on page 1, or manufacturing plants other than those indicated on page 1 of this European Technical Approval.

4 This European Technical Approval may be withdrawn by the British Board of Agrément, in particular after information by the Commission on the basis of Article 5(1) of Council Directive 89/106/EEC.

5 Reproduction of this European Technical Approval, including transmission by electronic means, shall be in full. However, partial reproduction can be made with the written consent of the British Board of Agrément. In this case partial reproduction has to be designated as such. Texts and drawings of advertising brochures shall not contradict or misuse the European Technical Approval.

6 The European Technical Approval is issued by the approval body in its official language. This version should correspond to the version circulated within EOTA. Translations into other languages have to be designated as such.

II SPECIFIC CONDITIONS OF THE EUROPEAN TECHNICAL APPROVAL

1 Definition of product and intended use

1.1 Definition of the product

ZINGA is a liquid-applied, zinc-rich anti-corrosion paint for structural steel, consisting of zinc powder, an organic binder and aromatic solvent.

1.2 Intended use

The product is suitable for internal or external use as a primer and/or final corrosion protection layer for structural steel. The product can be applied at a range of thicknesses. For the purposes of this ETA the nominal final dry film thickness should be 180 µm.

In certain areas it may be necessary to apply a protective topcoat over the product. In such cases precautions should be taken to minimise exposure of the product to any solvent contained in the topcoat (or any tie coats which may be used), by applying a very thin first coat and leaving to dry thoroughly before further applications. The compatibility of topcoats is outside the scope of this ETA and should be confirmed before application.

The product is used in areas where Essential Requirements 1 *Mechanical resistance and Stability* and 2 *Safety in case of fire* of the Directive 89/106/EEC, including the aspect of durability, apply.

1.3 Intended working life

The provisions and the verification and assessment methods referred to in this ETA are based upon the methodology set out in EN ISO 12944 *Paints and varnishes – Corrosion protection of steel structures by protective paint systems*. This Standard assigns a product a durability rating of low (L), medium (M) or high (H) (representing working lives of 2 to 5 years, 5 to 15 years, and greater than 15 years) in a range of environments of varying levels of atmospheric corrosivity, from C1 (very low corrosivity) to C5 (very high corrosivity). C5 is further subdivided into industrial (I) and marine (M).

Also available in the standard are requirements for use of the product in water and soil, in the following categories:

Im1 – fresh water immersion

Im2 – sea or brackish water

Im3 – soil (buried tanks, steel piles, steel pipes etc).

ZINGA, applied at a final dry film thickness of 180 microns, achieved the following classifications in various environments, when tested according to EN ISO 12944:

(1) Official Journal of the European Communities No L40, 11.2.1989, p12.

(2) Official Journal of the European Communities No L220, 30.8.1993, p1.

(3) Official Journal of the European Communities No L17, 20.1.1994, p34.

(4) Official Journal of the European Communities No L88, 4.4.2011, p32.

Durability rating and working life	Corrosivity category
High (>15 years)	C5-I very high (industrial)
High (>15 years)	C5-M very high (marine)
Medium (5 to 15 years)	Im2 (sea or brackish water)
Medium (5 to 15 years)	Im3 (soil)

The indications given as to the working life of the construction product cannot be interpreted as a guarantee given by the product manufacturer or its representative or the approval body issuing the ETA, but are regarded only as a means for choosing the appropriate products in relation to the expected economically reasonable working life of the works.

2 Characteristics of product and methods of verification

2.1 Characteristics of product

2.1.1 The characteristic values and respective tolerances for the product are stated in the Manufacturer's Technical Dossier (MTD) to this ETA.

2.1.2 With regard to Essential Requirement 1, *Mechanical Resistance and Stability*, the product is considered to contribute to this requirement by the protection of structural steel from corrosion, giving enhanced durability to the structure.

2.1.3 With regard to Essential Requirement 2, *Safety in case of fire*, the product applied to structural steel achieved a classification of B-s1,d0 when tested to the requirements of EN 13501-1.

2.1.4 The chemical composition of the product and the manufacturing and quality control procedures are deposited with the British Board of Agrément.

2.1.5 The ETA is issued for the product on the basis of the product composition held by the British Board of Agrément. Changes to the components of the product, or in the production process of the product, that could result in the details held by the British Board of Agrément being wrong, should be notified to the British Board of Agrément before the changes are introduced. The British Board of Agrément will decide whether the changes affect the ETA and consequently the validity of the CE marking and whether further assessment and alterations to the ETA are required.

2.2 Methods of verification

2.2.1 Assessment of the fitness for intended use of the product with regard to the Essential Requirements 1 and 2 was carried out in accordance with the Common Understanding of Assessment Procedure for Anti-corrosion Paint for Steel, Ref No. 12.02/04 final version July 2012 (with amendments 2 August 2012).

2.2.2 According to the manufacturer's declaration, the product complies with the requirements of Regulation (EC) No. 1907/2006 and its amendments.

2.2.3 Within the scope of this approval there may be other requirements applicable to dangerous substances resulting from transposed European legislation or applicable national regulations and administrative provisions. Such requirements must be met.

3 Evaluation of Conformity and CE marking

3.1 Attestation of Conformity system

According to the decision 2003/656/EC of the European Commission, the systems of Attestation of Conformity applied to this product are:

- concerning corrosion protection of steel – System 4
- concerning reaction to fire – System 3.

3.2 Responsibilities

3.2.1 Tasks for the manufacturer — factory production control

The manufacturer shall set up production control at his factory and perform regular inspection and controls according to the prescribed test plan⁽⁵⁾. The manufacturer may only use the initial materials stated in the MTD. He shall inspect or control the raw materials on acceptance according to the prescribed test plan. The results of factory production control are recorded and evaluated. The records include at least:

- designation of the material
- type of control or testing
- date of manufacture of the product and date of testing
- result of control or testing and, if appropriate, comparison with requirements
- signature of person responsible for factory production control.

The records shall be kept for at least five years. On request they shall be presented to the British Board of Agrément.

Details concerning extent, type and frequency of tests or inspections to be performed within the scope of the factory production control shall correspond to the prescribed test plan that is part of the MTD to this ETA.

3.2.2 Tasks for approved bodies

3.2.2.1 Initial type-testing of the product

For initial type-testing the results of the tests performed as part of the assessment for the European Technical Approval shall be used unless there are changes in the manufacturing procedure that will affect the properties. In such cases the necessary type-testing has to be agreed between the British Board of Agrément and the approved body involved.

3.3 CE marking

The CE marking of the product shall be accompanied by the following information:

- identification of the product
- name and address or identification mark of the manufacturer
- the last two digits of the year in which the CE marking was affixed
- number of this European Technical Approval
- use category in accordance with EN ISO 12944
- reaction to fire class.

(5) The prescribed test plan is deposited with the British Board of Agrément and is made available to the approved bodies involved in the conformity attestation process.

4 Assumptions under which the fitness of the product for the intended use was favourably assessed

4.1 Manufacture

The product is factory made in accordance with the procedure laid down in the MTD.

4.2 Installation

The fitness for use of the product can be assumed only if the installation is carried out in accordance with the manufacturer's instructions as stated in the MTD.

5 Information from the manufacturer

5.1 Information on packaging, transportation and storage

Information on packaging, transportation and storage is given in the MTD.

5.2 Information on use, maintenance and repair

Information on use, maintenance and repair is given in the MTD.



On behalf of the British Board of Agrément

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