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**Członek EOTA**

**European Technical Approval**

**ETA-06/0080**

English language translation - the original version is in Polish language

Nazwa handlowa

*Trade name*

**WKREŃ-MET-ŁFN $\phi$ 8 i WKREŃ-MET-ŁFM $\phi$ 8**

*WKREŃ-MET-ŁFN $\phi$ 8 and WKREŃ-MET-ŁFM $\phi$ 8*

Właściciel aprobaty

*Holder of approval*

**P.P.H.U. "WKREŃ-MET-KLIMAS" s.j.**

**ul. Wincentego Witosa 170/176**

**PL 42-223 Kuźnica Kiedrzyńska**

Rodzaj i przeznaczenie wyrobu

*Generic type and use  
of construction products*

**Łączniki tworzywowe do mocowania warstwy  
izolacyjnej ociepleń ścian zewnętrznych w  
podłożu betonowym i w podłożu murowym**

*Nailed-in plastic anchors for fixing of external thermal  
insulation composite systems with rendering in concrete  
and masonry*

Termin ważności

*Valid*

od

*from*

**29. 09. 2006**

do

*to*

**29. 09. 2011**

Zakład produkcyjny

*Manufacturing plant*

**P.P.H.U. "WKREŃ-MET-KLIMAS" s.j.**

**ul. Wincentego Witosa 170/176**

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Niniejsza Europejska

Aprobata Techniczna zawiera

*This European Technical  
Approval contains*

**15 stron, w tym 6 Załączników**

*15 pages including 6 Annexes*

Niniejsza Europejska

Aprobata Techniczna zastępuje

*This European Technical  
Approval replaces*

**ETA-06/0080 ważną od 10.04.2006 do 10.04.2011**

*ETA-06/0080 with validity from 10.04.2006 to 10.04.2011*



Europejska Organizacja ds. Aprobatach Technicznych

European Organisation for Technical Approvals

## I LEGAL BASES AND GENERAL CONDITIONS

1. This European Technical Approval is issued by Instytut Techniki Budowlanej in accordance with:
  - 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<sup>1</sup>, amended by the Council Directive 93/68/EEC of 22 July 1993<sup>2</sup>;
  - ustawa z dnia 16 kwietnia 2004 r. o wyrobach budowlanych (law on construction products from 16<sup>th</sup> April 2004)<sup>3</sup>;
  - rozporządzenie Ministra Infrastruktury z dnia 14 października 2004 r. w sprawie europejskich aprobat technicznych oraz polskich jednostek organizacyjnych upoważnionych do ich wydawania (regulation of Ministry of Infrastructure of 14<sup>th</sup> October 2004 on the European Technical Approvals and Polish bodies entitled to issue them)<sup>4</sup>;
  - Common Procedural Rules for Requesting, Preparing and the Granting of European Technical Approvals set out in the Annex of Commission Decision 94/23/EC<sup>5</sup>;
  - Guideline for European Technical Approval of „*Plastic anchors for fixing of external thermal insulation composite systems with rendering*”, ETAG 014, Edition January 2002.
2. Instytut Techniki Budowlanej is authorized to check whether the provisions of this European Technical Approval are met. Checking may take place in the manufacturing plant. 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 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.
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<sup>1</sup> Official Journal of the European Communities № L 40, 11.02.1989, p. 12

<sup>2</sup> Official Journal of the European Communities № L 220, 30.08.1993, p. 1

<sup>3</sup> Official Journal of Polish Republic № 92/2004, pos. 881

<sup>4</sup> Official Journal of Polish Republic № 237/2004, pos. 2375

<sup>5</sup> Official Journal of the European Communities № L 17, 20.01.1994, p. 34

## **II SPECIFIC CONDITIONS OF THE EUROPEAN TECHNICAL APPROVAL**

### **1 Definition of product and intended use**

#### **1.1 Definition of product**

The WKREȚ-MET-ŁFN $\phi$ 8 nailed-in plastic anchor consists of a ŁF8 anchor sleeve with a plate made of polypropylene and an accompanying specific TŁF5,0 nail as an expansion pin made of the glass fibre reinforced polyamide.

The WKREȚ-MET-ŁFM $\phi$ 8 nailed-in plastic anchor consists of a ŁF8 anchor sleeve with a plate made of polypropylene and an accompanying specific TM nail as an expansion pin made of galvanised steel.

The WKREȚ-MET-ŁFN $\phi$ 8 and WKREȚ-MET-ŁFM $\phi$ 8 anchors may in addition be combined with the plate TD-140 shown in Annex 6.

The installed anchor is shown in Annex 1.

#### **1.2 Intended use**

The anchors are intended to be used for anchorages for which requirements for safety in use in the sense of the Essential Requirement 4 of Council Directive 89/106/EEC shall be fulfilled and failure of anchorages made with these products would cause low risk to human life. The anchors are to be used only as multiple fixing for the anchorage of bonded external thermal insulation composite systems (ETICS) according to ETAG 004 in concrete and masonry. The substrate (base material) shall consist of reinforced or plain normal weight concrete of strength class C 12/15 at minimum and C 50/60 at maximum according to EN 206-1 or of masonry walls according to EN 771-1 (Table 6, Annex 5).

The provisions made in this European Technical Approval are based on an assumed working life of the anchor of 25 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right 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**

The anchors correspond to the drawings and information given in Annexes 1, 2 and 3. The characteristic material values, dimensions and tolerances of the anchor not indicated in these Annexes shall correspond to the respective values laid down in the technical documentation<sup>6</sup> of this European Technical Approval.

<sup>6</sup> The technical documentation of this European Technical Approval is deposited at Instytut Techniki Budowlanej and, as far as relevant for the tasks of the approved body involved in the attestation of conformity procedure, may be handed over only to the approved body involved.

The characteristic values for the design of the anchorages are given in Annexes 4 and 5.

Each anchor is to be marked with identification mark of the producer, the sleeve type, the diameter and the length of the anchor. The minimum anchorage depth shall be marked.

The anchor shall only be packaged and supplied as a complete unit. Each package is to be marked with the type of the anchor, e.g. ŁFN $\phi$ 8 or ŁFM $\phi$ 8.

## 2.2 Methods of verification

The assessment of the fitness of the anchors for the intended use in relation to the requirements for safety in use in the sense of the Essential Requirement 4 has been made in compliance with the Guideline for European Technical Approval of „*Plastic anchors for fixing of external thermal insulation composite systems with rendering*”, ETAG 014, based on the use categories A and B.

## 3 Evaluation of Conformity of the Product and CE-marking

### 3.1 Attestation of Conformity System

The system of attestation of conformity 2 (ii) (allocated to system 2+) according to Council Directive 89/106/EEC Annex III provides:

(a) Tasks of the manufacturer:

- (1) initial type-testing of the product,
- (2) factory production control,
- (3) testing of samples taken at the factory by the manufacturer in accordance with a prescribed test plan.

(b) Tasks of the approved body:

- (4) certification of factory production control on the basis of
  - initial inspection of factory and of factory production control,
  - continuous surveillance, assessment and approval of factory production control.

### 3.2 Responsibilities

#### 3.2.1 Tasks of the manufacturer; factory production control

The manufacturer has a factory production control system in the plant and exercises permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer are documented in a systematic manner in the form of written policies and procedures. The factory production control system ensures that the product is in conformity with the European Technical Approval.

The manufacturer may only use raw materials supplied with the relevant inspection documents as laid down in the control plan<sup>7</sup>. The incoming raw materials may be subjected to controls and tests by the manufacturer before acceptance. Check of

<sup>7</sup> The control plan has been deposited at Instytut Techniki Budowlanej and may be handed over only to the approved body involved in the conformity attestation procedure.

