

norm**NEN-EN 12810-1**

Gevelsteigers vervaardigd van geprefabriceerde delen - Deel 1: Productspecificaties

Publicatie uitsluitend voor commentaar

Facade scaffolds made of prefabricated elements - Part 1: Product specification

april 1997

ICS 91.220

Commentaar voor 1997-09-01

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Als Europees normontwerp is gepubliceerd: prEN 12810-1:1997

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Voorbeeld
Preview

ICS

Will supersede HD 1000:1988

Descriptors :

English version

Facade scaffolds made of prefabricated elements -
Part 1: Product specifications

Echafaudages de façade à éléments
préfabriqués - Partie 1:
Spécifications des produits

Fassadebgerüste aus vorgefertigten
Bauteilen - Teil 1: Produktfestlegungen

This draft European Standard is submitted to the CEN members for CEN enquiry.
It has been drawn up by Technical Committee CEN/TC 53 .

If this draft becomes a European Standard, CEN members are bound to comply with
the CEN/CENELEC Internal Regulations which stipulate the conditions for giving
this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions
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Foreword

This European standard has been prepared by the Technical Committee CEN/TC 53 "Temporary Works Equipment" the Secretariat of which is held by DIN.

The text of the draft standard is submitted for enquiry and shall be approved by CEN as EN XXXX on YY-MM-DD.

This European Standard supersedes the European Harmonization document HD 1000 : 1988 "Service and working scaffolds made of prefabricated elements; Materials, dimensions, design loads and safety requirements".

This European Standard is one of a package of standards as listed below.

prEN 1000-1 : 1996 (WI 15)

Facade scaffolds made of prefabricated elements – Part 1: Product specifications

prEN 1000-2 : 1996 (WI 05)

Facade scaffolds made of prefabricated elements – Part 2: Methods of particular design and assessment

prEN xx (WI 13) : 1996

Scaffolds – Performance requirements and general design

prEN xx (WI 10) : 1996

Falsework – Performance requirements and general design

prEN xx (WI 09) : 1996

Loadbearing towers made of prefabricated elements – Methods of particular design and assessment

In accordance with the CEN/CENELEC Internal Regulations, the latest date by which national standards conflicting with this package of European Standards have to be withdrawn was fixed on YY-MM-DD.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

Introduction

Based on the requirements specified, a manufacturer proposes a scaffold system and puts it forward for evaluation and certification of conformity with the requirements of this European Standard. The type assessment is carried out using the evaluation configuration chosen by the manufacturer, taking account of the limitations of this standard.

Many of the detailed requirements are given in prEN xx (WI 13) : 1996 with which this European Standard has to be read prEN 1000-2 gives requirements for structural analysis and assessment by calculation and test.

A scaffold system which has been successfully assessed will also satisfy the corresponding requirements of prEN xx (WI 13) : 1996. It may be used without any further calculation in any application up to a height of 24 m, provided that the performance requirements for that application are not more onerous than those specified in this standard. If the performance requirements are more onerous, or if the application uses a configuration which is structurally significantly different from that which is used in the evaluation and which is given in the manufacturer's instruction manual, then further calculations should be made.

In general the pattern of erection of the components of the evaluation configuration may be used for longer scaffolds and for lower scaffolds.

This conversion of HD 1000 into a European Standard is intended to enable assessment to be carried out instead of having to follow national rules. The content of HD 1000 has been reduced, as much has been transferred to prEN xx (WI 13) : 1996.

1 Scope

This European standard specifies the performance requirements and method of assessment for prefabricated

facade access scaffold systems. They are intended for use up to 24 m high while connected to the facade with ties. This part should be read in conjunction with EN xx (WI 13) : 1996 which specifies certain of the requirements. It provides for five classifications: by service load; by width; by headroom; by facilities provided; and by vertical access equipment.

It is limited to scaffolds whose verticals are made of steel or aluminium alloy and whose components are made of these materials or timber based materials.

It makes provision for a type assessment of an evaluation configuration in accordance with a load class, a width class and a headroom class. In addition a scaffold system in conformity with this standard may include any or all of the three specified optional additional facilities see table 1, and other classes.

Exceptions see Annex C (informativ).

It makes provision for the assessment of ongoing production.

This standard does not specify requirements for ladder components, those for clad scaffolds or those for fans. It does not give information about use.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

prEN xx (WI 13) : 1996

Scaffolds – Performance requirements and general design

prEN 1000-2 : 1996

Facade scaffolds made of prefabricated elements – Part 2: Methods of particular design and assessment

EN 74 : 1988

Couplers, loose spigots and base-plates for use in working scaffolds and falsework made of steel tubes

EN 10020 : 1989

Definition and classification of grades-steel German version EN 10020 : 1988

EN 10025 : 1990

Hot-rolled products of non-alloy structural steels – Technical delivery conditions

EN 10083-1 : 1991

Quenched and tempered steels - Technical delivery conditions for special steels; German version EN 10083-1 : 1991

EN 10113-1 : 1993

Hot-rolled products in weldable fine grain structural steels - Part 1: General delivery conditions; German version EN 10113-1 : 1993

EN 10113-2 : 1993

Hot-rolled products in weldable fine grain structural steels - Part 2: Delivery conditions for normalized/-normalized rolled steels; German version EN 10113-2 : 1993

EN 10113-3 : 1993

Hot-rolled products in weldable fine grain structural steels - Part 3: Delivery conditions for thermomechanical rolled steels; German version EN 10113-3 : 1993

EN 10147 : 1995

Continuously hot-dip zinc coated structural steel strip and sheet - Technical delivery conditions (includes Amendment A1 : 1995); German version EN 10147 : 1995 + A1 : 1995

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