MALAYSIAN STANDARD

MS 1314-4:2004
(CONFIRMED:2015)

Precast concrete piles: Part 4: Precast pretensioned spun concrete piles (Spun piles) - Class A, Class B and Class C

ICS: 91.100

Descriptors: precast concrete piles, precast pretentioned spun concrete piles, classifications, pile specifications, sizes and lengths, materials, manufacture, delivery, driving, strength test, marking

NOTE. This Malaysian Standard has been reviewed and confirmed as being current.

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Committee representation

The Building and Civil Engineering Industry Standards Committee (ISC D) under whose supervision this Malaysian Standard was developed, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Construction Industry Development Board, Malaysia
Department of Standards Malaysia
Jabatan Bomba dan Penyelamat Malaysia
Jabatan Kerja Raya Malaysia
Jabatan Perumahan Negara
Malaysian Timber Industry Board
Master Builders Association Malaysia
Pertubuhan Akitek Malaysia
Suruhanjaya Tenaga
The Chartered Institute of Building Malaysia
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Precast Concrete Piles which developed this Malaysian Standard consists of representatives from the following organisations:

Association of Consulting Engineers Malaysia
Cement and Concrete Association of Malaysia
Construction Industry Development Board, Malaysia
Hume Industries (M) Bhd (Representing RC Pile Manufacturers)
IKRAM QA Services Sdn Bhd
Industrial Concrete Products Bhd (Representing Spun Pile Manufacturers)
Jabatan Kerja Raya Malaysia
Jabatan Pengairan dan Saliran Malaysia
Kumpulan IKRAM Sdn Bhd
Master Builders Association Malaysia
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Stresscon Piling (M) Sdn Bhd (Representing Prestressed Pile Manufacturers)
The Institution of Engineers, Malaysia
UCP Manufacturing (M) Sdn Bhd (Representing RC Pile Manufacturers)
Universiti Malaya

The Working Group 3 on Precast Concrete Piles which was established by the Technical Committee to assist in the development of this Malaysian Standard consists of representatives from the following organisations:

Association of Consulting Engineers Malaysia
Concrete Engineering Products Berhad
IKRAM QA Services Sdn Bhd
Industrial Concrete Products Bhd (secretariat)
Jabatan Kerja Raya Malaysia
Master Builders Association Malaysia
Petro-Pipe Concrete Pile Sdn Bhd
SIRIM Berhad
SIRIM QAS International Sdn Bhd
The Institution of Engineers, Malaysia

FOREWORD

This Malaysian Standard was jointly developed by the Technical Committee and Working Group 3 on Precast Concrete Piles under the authority of the Building and Civil Engineering Industry Standards Committee.

The precast concrete piles are being classified into various classes in relation to the type of piles, strength of concrete, amount of reinforcement, cement content and the type of driving. MS 1314 consists of the following seven parts, under the general title *Precast concrete piles*.

Part 1: General requirements and specifications
Part 2: Method for determination of bending strength of precast concrete piles (bend test)
Part 3: Precast reinforced concrete square piles (RC piles) - Class M, Class J and Class S
Part 4: Precast pretensioned spun concrete piles (Spun piles) - Class A, Class B and Class C
Part 5: Precast prestressed concrete square piles - Class X, Class Y, small piles Class PCS-1 and Class PCS-2
Part 6: Small reinforced concrete square piles - Small piles Class RCS-1 and Class RCS-2
Part 7: Guidelines to the installation and load testing of precast concrete piles

In the revision of MS 1314: Part 1 and MS 1314: Part 2, effort has been taken to merge the common requirements of the former MS 1314: Part 1: 1993 and MS 1314: Part 2: 1996. The common requirements are grouped into and specified in Part 1 while the requirements for the bending test are specified in Part 2.

Parts 3, 4, 5 and 6 are more specific to the design requirements and manufacturing details of each individual group of classes respectively.

It is necessary for the purchaser to take into account the requirements of specialised codes of practice and any influences of the construction process.

This Malaysian Standard cancels and replaces MS 1314: Part 1: 1993, Specification for precast concrete piles: Part 1: Standard design precast concrete piles; and MS 1314: Part 2: 1996, Specification for precast concrete piles: Part 2: Special design small precast concrete piles.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.