



Notification Number: 2014/620/UK

Interim Advice Note (IAN) 104/15 The Anchorage of Post-Installed Fasteners and Reinforcing Bars in Concrete.

Date received : 11/12/2014

End of Standstill : 12/03/2015

Message

Message 001

Communication from the Commission - TRIS/(2014) 03669

Directive 98/34/EC

Notificación - Oznámení - Notifikation - Notifizierung - Teavitamine - Γνωστοποίηση - Notification - Notification - Notifica - Pieteikums - Pranešimas - Bejelerítés - Notifika - Kennisgeving - Zawiadomienie - Notificação - Hlásenie-Obvestilo - Ilmoitus - Anmälan - Нотификация : 2014/0620/UK - Notificare.

No abre el plazo - Nezahtuje odklady - Fristerne indledes ikke - Kein Fristbeginn - Viivituste perioodi ei avata - Καμμία έναρξη προθεσμίας - Does not open the delays - N'ouvre pas de délais - Non fa decorrere la mora - Neietekmē atlikšanu - Atidėjimai nepradedami - Nem nyitja meg a késések - Ma' jiftaħ il-perijodi ta' dawmien - Geen termijnbegin - Nie otwiera opóźnień - Nao inicia o prazo - Neotvorí oneskorenia - Ne uvaja zamud - Määräaika ei ala tästä - Inleder ingen frist - Не се предвижда период на прекъсване - Nu deschide perioadele de stagnare - Nu deschide perioadele de stagnare.

(MSG: 201403669.EN)

1. Structured Information Line

MSG 001 IND 2014 0620 UK EN 11-12-2014 UK NOTIF

2. Member State

UK

3. Department Responsible

Department for Business, Innovation and Skills
European Reform Directorate
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3. Originating Department

Highways Agency
Woodlands
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Bedford
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4. Notification Number

2014/0620/UK - B00

5. Title

Interim Advice Note (IAN) 104/15 The Anchorage of Post-Installed Fasteners and Reinforcing Bars in Concrete.

6. Products Concerned

Post-installed (mechanical or bonded) metal fasteners, commonly referred to as anchors, and post-installed (bonded) reinforcing bars in concrete for structural applications and attachments to structural concrete components.

7. Notification Under Another Act

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8. Main Content

IAN 104/15 gives the requirements for the design and specification of post-installed metal fasteners and reinforcing bars in concrete for use in structural applications and attachment to structural concrete components in highway structures.

9. Brief Statement of Grounds

In recent years there has been an increase in the use of fasteners and reinforcing bars in works relating to highway structures, as they can offer a cost-effective solution for making attachments or extensions to existing concrete structures. However, the design methodology for the anchorage of post-installed metal fasteners and reinforcing bars is not covered in existing Highways Agency standards nor, with the exception of some specific applications, work of this nature, which is often safety critical, is covered in the Highways Agency Specification for Highway Works. The purpose of this Interim Advice Note is to set out design methodologies and model specification clauses that are acceptable to the Highways Agency and are in compliance with the provisions of the Eurocodes and the existing European and National standards and guidance on the subject.

10. Reference Documents - Basic Texts

References of the Basic Texts: EOTA ETAG 001 Guideline for European Technical Approval of metal anchors for use in concrete: Part 1 to 6 (and Annex A to C and E) - Basic documents 1 - 10
EOTA Technical Report TR 18 – Assessment of torque-controlled bonded anchors
EOTA Technical Report TR 20 – Evaluation of anchorage in concrete concerning resistance to fire
EOTA Technical Report TR 23 – Assessment of post-installed rebar connection
EOTA Technical Report TR 29 – Design of bonded anchors
EOTA Technical Report TR 45 – Design of metal anchors for use in concrete under seismic actions
BS EN 1992 - Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings; Part 2: Concrete bridges – design and detailing rules
DD CEN/TS 1992-4 – Design of fastenings for use in concrete
BS EN 1504 – Products and systems for the protection and repair of concrete structures – definitions, requirements, quality control and evaluation of conformity: Part 1 to 10



BS 8539 – Code of practice for the selection and installation of post-installed anchors in concrete and masonry
BS EN 1991-1-5 – Eurocode 1: Action on structures – Part 1-5: General actions – thermal actions
BS 6744 – Stainless steel bars for the reinforcement of and use in concrete – requirements and test methods
BS EN ISO 3506 – Mechanical properties of corrosion-resistant stainless steel fasteners: Part 1 to 4
BS EN 10088 – Stainless steels: Part 1 to 5
BS 4449 – Steel for the reinforcement of concrete – weldable reinforcing steel – bar, coil and decoiled product - specification
BS 5080 – Structural fixings in concrete and masonry: Part 1 and 2
BD 62 – As built Operational and Maintenance Records for Highway Structures (DMRB 3.2.1)

11. Invocation of the Emergency Procedure

No

12. Grounds for the Emergency

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13. Confidentiality

No

14. Fiscal measures

No

15. Impact assessment

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16. TBT and SPS aspects

TBT aspect

No - The draft is not a technical regulation nor a conformity assessment

SPS aspect

No - The draft is not a sanitary or phytosanitary measure

European Commission

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