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**NRA ADDENDUM TO**

**BD 28/87**

**EARLY THERMAL CRACKING  
OF CONCRETE  
[AND AMENDMENT NO.1]**

Standard BD 28/87 - Early Thermal Cracking of Concrete [and Amendment No.1 (1989)] - is applicable in Ireland with the following amendments:

## **GENERAL**

1. Where the Standard is applied for the design of structural components which are procured through a contract incorporating the NRA Specification for Road Works, products conforming to equivalent standards and specifications of other member states of the European Union will be acceptable in accordance with the terms of Clauses 104 and 105 of that Specification. Any contract for the procurement of structural components which does not include these Clauses must contain a suitable clause of mutual recognition having the same effect, regarding which advice should be sought.
2. The Standard provides specification requirements for use in public purchasing contracts. It does not lay down legislation requirements for products and materials used in road construction in Ireland.
3. The Standard should be used forthwith for all schemes for the construction and/or improvement of national roads. The Standard should be applied to the design of schemes already being prepared unless, in the opinion of the National Roads Authority, application would result in significant additional expense or delay progress. In such cases, Design Organisations should confirm the application of this Standard to particular schemes with the National Roads Authority.
4. At several locations:  
  
For: "Departmental Standard"  
Read: "Standard";  
  
For: "BS 5400: Part 4: 1984"  
Read: "BS 5400: Part 4: 1990".

## SPECIFIC

### 1. BD 28/87

#### 1.1 Page 1, Footnote:

Delete footnote and replace with:

“+ All references to BS 5400: Part 4: 1990 shall be taken as references to that Part as implemented by NRA BD 24 (NRA DMRB 1.3.1).”

#### 1.2 Page 4, Paragraph 5.6, line 4:

For: “For normal UK conditions”

Read: “For normal conditions in the UK and Ireland”.

#### 1.3 Page 7, Section 7, reference 2:

Delete reference 2 and replace with:

“(2) NRA BD 24: The Design of Concrete Road Bridges and Structures, Use of BS 5400: Part 4: 1990 (NRA DMRB 1.3.1).”

#### 1.4 Page 8, Section 8:

Delete text and replace with:

“8.1 All technical enquiries or comments on this Standard should be sent in writing to:

Head of Project Management and Engineering  
National Roads Authority  
St Martin’s House  
Waterloo Road  
Dublin 4”

### 2. Amendment No.1

#### 2.1 Page 4, Section 3:

Delete text and replace with:

“3.1 All technical enquiries or comments on this Standard should be sent in writing to:

Head of Project Management and Engineering  
National Roads Authority  
St Martin’s House  
Waterloo Road  
Dublin 4”



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E O’CONNOR  
Head of Project Management and  
Engineering