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**FprEN 13877-1**

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English Version

## Concrete pavements - Part 1: Materials

Chaussées en béton - Partie 1: Matériaux

Fahrbahnbefestigungen aus Beton - Teil 1: Baustoffe

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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.

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**Contents**

Page

Foreword.....	3
<b>1 Scope .....</b>	<b>4</b>
<b>2 Normative references .....</b>	<b>4</b>
<b>3 Terms and definitions .....</b>	<b>5</b>
<b>4 Requirements for constituent materials of concrete .....</b>	<b>5</b>
4.1 General.....	5
4.2 Type of cement.....	6
4.3 Aggregates .....	6
4.3.1 General.....	6
4.3.2 Maximum size of aggregates .....	6
4.4 Mixing water .....	6
4.5 Other constituent materials .....	6
<b>5 Basic requirements for concrete.....</b>	<b>6</b>
5.1 General.....	6
5.2 Fresh concrete .....	6
5.2.1 Consistence.....	6
5.2.2 Density of fresh concrete.....	6
5.2.3 Air content .....	7
5.2.4 Cement content.....	7
5.2.5 Content or particles smaller than 0,25 mm for pavement quality concrete and lean concrete .....	7
5.2.6 Chloride content .....	7
5.3 Hardened concrete .....	7
5.3.1 Resistance to the effects of freeze/thaw and de-icing agents .....	7
5.3.2 Mechanical strength .....	7
<b>6 Basic requirements for other materials for concrete pavements .....</b>	<b>9</b>
6.1 General.....	9
6.2 Curing materials.....	9
6.3 Surface retarders .....	9
6.4 Joint sealants .....	10
6.5 Tie bars .....	10
6.6 Dowels .....	10
6.7 Reinforcing bars .....	10
<b>Bibliography .....</b>	<b>11</b>

## Foreword

This document (FprEN 13877-1:2012) has been prepared by Technical Committee CEN/TC 227 “Road materials”, the secretariat of which is held by DIN.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 13877-1:2004.

This European Standard is one of a series of standards as listed below:

EN 13877-1, *Concrete pavements — Part 1: Materials.*

EN 13877-2, *Concrete pavements — Part 2: Functional requirements for concrete pavements.*

EN 13877-3, *Concrete pavements — Part 3: Specifications for dowels to be used in concrete pavements.*

This European Standard refers to EN 206-1. In accordance with the scope of EN 206-1 some additional or different requirements are necessary for pavements, particularly to comply with safety of users, durability, environment and health.

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**FprEN 13877-1:2012 (E)****1 Scope**

This document specifies requirements for

- the constituents (concrete and other materials) of concrete pavements,
- the properties of fresh and hardened concrete.

This document is applicable to concrete pavements cast in-situ. Concrete compacted by rollers is not covered by this document.

This document covers concrete pavements for roads, motorways and airports, pedestrian footpaths, cycle tracks, storage areas, and in general all traffic-bearing structures.

**2 Normative references**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 206-1, *Concrete — Part 1: Specification, performance, production and conformity*

EN 1008, *Mixing water for concrete — Specification for sampling, testing and assessing the suitability of water, including water recovered from processes in the concrete industry, as mixing water for concrete*

EN 10080, *Steel for the reinforcement of concrete — Weldable reinforcing steel — General*

EN 12350-7, *Testing fresh concrete — Part 7: Air content — Pressure methods*

EN 12390-3, *Testing hardened concrete — Part 3: Compressive strength of test specimens*

EN 12390-5, *Testing hardened concrete — Part 5: Flexural strength of test specimens*

EN 12390-6, *Testing hardened concrete — Part 6: Tensile splitting strength of test specimens*

CEN/TS 12390-9, *Testing hardened concrete — Part 9: Freeze-thaw resistance — Scaling*

EN 12620, *Aggregates for concrete*

FprEN 13877-2:2012, *Concrete pavements — Part 2: Functional requirements for concrete pavements*

EN 13877-3, *Concrete pavements — Part 3: Specifications for dowels to be used in concrete pavements*

EN 14188-1, *Joint fillers and sealants — Part 1: Specifications for hot applied sealants*

EN 14188-2, *Joint fillers and sealants — Part 2: Specifications for cold applied sealants*

EN 14188-3, *Joint fillers and sealants — Part 3: Specification for preformed joint seals*

CEN/TS 14754-1, *Curing compounds — Test methods — Part 1: Determination of water retention efficiency of common curing compounds*