

Wastewater treatment plants —

Part 3: Preliminary treatment

The European Standard EN 12255-3:2000 has the status of a
British Standard

ICS 13.060.30

National foreword

This British Standard was published by BSI. It is the UK implementation of EN 12255-3:2000, including Corrigendum December 2000.

The start and finish of text introduced or altered by corrigendum is indicated in the text by tags **AC** **AC**. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN Corrigendum 1 is indicated in the text by **AC1** **AC1**.

The UK participation in its preparation was entrusted by Technical Committee B/505, Wastewater engineering, to Subcommittee B/505/40, Wastewater treatment plants.

A list of organizations represented on B/505/40 can be obtained on request to its secretary.

Further information regarding design and loading data can be found in the informative national annex.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard, having been prepared under the direction of the Sector Committee for Building and Civil Engineering, was published under the authority of the Standards Committee and comes into effect on 15 December 2000

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ISBN 0 580 36451 8

Amendments issued since publication

Amd. No.	Date	Comments
16723 Corrigendum No. 1	31 October 2006	See national foreword

English version

Wastewater treatment plants - Part 3: Preliminary treatment

Stations d'épuration - Partie 3: Prétraitements

Kläranlagen - Teil 3: Abwasservorreinigung

This European Standard was approved by CEN on 17 August 2000.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CONTENTS

	Page
Foreword	3
1 Scope	3
2 Normative references	4
3 Terms and definitions	4
4 Requirements	4
4.1 General.....	4
4.2 Planning	4
4.3 Process	5
4.4 Maintenance.....	7
4.5 Health and safety	7
Bibliography.....	8

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 165, Wastewater engineering, the Secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2001, and conflicting national standards shall be withdrawn at the latest by December 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

It is the third part prepared by the Working Groups CEN/TC 165/WG 42 and 43 relating to the general requirements and processes for treatment plants for over 50 PT. The parts of the series are as follows:

- Part 1: General construction principles;
- Part 3: Preliminary treatment;
- Part 4: Primary settlement;
- Part 5: Lagooning processes;
- Part 6: Activated sludge processes;
- Part 7: Biological fixed-film reactors;
- Part 8: Sludge treatment and storage;
- Part 9: Odour control and ventilation;
- Part 10: Safety principles;
- Part 11: General data required;
- Part 12: Control and automation;¹⁾
- Part 13: Chemical treatment;
- Part 14: Disinfection;¹⁾
- Part 15: Measurement of the oxygen transfer in clean water in aeration tanks of activated sludge plants;
- Part 16: Physical (mechanical) filtration.¹⁾

NOTE For requirements on pumping installations at wastewater treatment plants and in their water feed field, provided initially as Part 2: Pumping installations for wastewater treatment plants, see EN 752-6, Drain and sewer systems outside buildings - Part 6: Pumping installations.

The parts EN 12255-1, EN 12255-3 to EN 12255-8 and EN 12255-10 and EN 12255-11 were implemented together as a European package (Resolution BT 152/1998). The date of withdrawal (dow) of all conflicting national standards is 2001-12-31. Until the date of withdrawal is reached the National and the already published European standards both coexist.

1 Scope

This part of this European Standard specifies the requirements for preliminary treatment of wastewater at wastewater treatment plants for over 50 PT.

The primary application is for wastewater treatment plants designed for the treatment of domestic and municipal wastewater.

Preliminary treatment may include one or more of the following options:

- screening;
- grit removal;
- grease separation;
- flow balancing and flow separation.

¹⁾ in preparation.