BS ISO 18325:2015

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Geosynthetics — Test method for the determination of water discharge capacity for prefabricated vertical drains

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The UK participation in its preparation was entrusted to Technical Committee B/553, Geosynthetics.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Published by BSI Standards Limited 2015

ISBN 978 0 580 80710 7

ICS 59.080.70

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 November 2015.

Amendments/corrigenda issued since publication

Date	Text affected

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INTERNATIONAL STANDARD

ISO 18325

First edition
2015-11-15

Geosynthetics — Test method for the determination of water discharge capacity for prefabricated vertical drains

Géosynthétiques — Méthode d'essai pour la détermination de la capacité de décharge d'eau des drains verticaux préfabriqués

Reference number
ISO 18325:2015(E)

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Foreword

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The committee responsible for this document is ISO/TC 221, *Geosynthetics*.

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Introduction

Prefabricated vertical drains (PVDs) are used to accelerate the settlement of soils under a given surcharge loading. Discharge capacity is, therefore, one of the most important properties for PVDs. The discharge capacity decreases gradually due to alteration in shape of core materials under soil pressure and deformation of the geotextile filter into the core structure as time passes.

In highly compressible soils (e.g. peat and gyttja) the relative compression that takes place during the consolidation process, may cause more or less significant buckling of the drains.

In less compressible soils (settlements lower than 20 %), the buckled test is not relevant.

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