

GRP tanks and vessels for use above ground - Part 4: Delivery, installation and maintenance

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13121-4:2005 sisaldab Euroopa standardi EN 13121-4:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 22.02.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13121-4:2005 consists of the English text of the European standard EN 13121-4:2004.</p> <p>This document is endorsed on 22.02.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This document gives requirements for delivery, installation and maintenance of GRP tanks and vessels in accordance with prEN 13121-3.</p>	<p>Scope:</p> <p>This document gives requirements for delivery, installation and maintenance of GRP tanks and vessels in accordance with prEN 13121-3.</p>
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Võtmesõnad:

English version

**GRP tanks and vessels for use above ground - Part 4: Delivery,
installation and maintenance**

Réservoirs et récipients en PRV pour applications hors sol -
Partie 4: Livraison, installation et maintenance

Oberirdische GFK-Tanks und -Behälter - Teil 4:
Auslieferung, Aufstellung und Instandhaltung

This European Standard was approved by CEN on 12 November 2004.

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Foreword

This document (EN 13121-4:2005) has been prepared by Technical Committee CEN/TC 210 “GRP tanks and vessels”, 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of an identical text or by endorsement, at the latest by July 2005, and conflicting national standards shall be withdrawn at the latest by July 2005.

Document EN 13121 consists of the following parts under the general title *GRP tanks and vessels for use above ground*:

- *Part 1: Raw materials — Specification conditions and acceptance conditions.*
- *Part 2: Composite materials — Chemical resistance.*
- *Part 3: Design and workmanship.*
- *Part 4: Delivery, installation and maintenance.*

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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

1 Scope

This document gives requirements for delivery, installation and maintenance of GRP tanks and vessels in accordance with prEN 13121-3.

2 Normative references

Not applicable.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

delivery

delivery includes loading, transportation and off-loading of the GRP tank or vessel at the site designated by the purchaser

3.2

installation

installation includes the preparation of the support(s), erection or placement on the supports and fixing the tank or vessel, inspection and tests before commissioning

3.3

bedding material

bedding material for flat-bottomed tanks, pliable during installation and load bearing before commissioning

3.4

screed

hard setting material to correct minor surface irregularities

3.5

transporter

organisation in charge of the transport of the tank/vessel from the place of loading to the place of storage or installation

3.6

installer

organisation in charge of installing the tank/vessel in its place of use

4 Delivery

4.1 General

If the manufacturer considers that the requirements of this document are insufficient for the loading and the transportation of the GRP tank or vessel for the purposes of any particular delivery, he shall provide the necessary additional information.

NOTE A recommended check list of those items which should be verified is given in Annex C (informative).

4.2 Low temperature effects

The possible effects on the material properties of the GRP tank or vessel of ambient temperatures experienced during transportation shall, as far as possible, be taken into consideration, especially temperatures less than 5 °C.