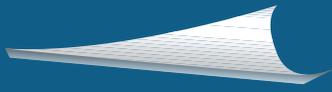


EUROCODES
SPREADSHEETS
Structural Design

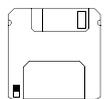


Carlo Sigmund

User's Guide

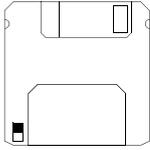
to Excel® spreadsheet file
Verification tests

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Edited and published by:
Carlo Sigmund

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Eurocodes - Structural Design

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Bridge: Erasmus Bridge

Location: Rotterdam, Netherlands

Length/ main span: 802 m/284 m

Pylon: 139 m

Designer: Architects Ben van Berkel, Freek Loos, UN Studio.

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Section 1 **User Guide to Excel® spreadsheet files**

1.1 Prerequisites

First of all, you should have a working knowledge of your computer and its operating conventions. At a minimum, you should know how to use the mouse and pull-down menus, and how to open and close files. If you need to review these techniques, please see the documentation that comes with your system, or ask your system administrator for help.

1.2 Requirements and system recommendations

Before you begin using *EUROCODES Spreadsheets Structural Design*, make sure that your system is set up correctly and that you have installed the required software and hardware.

You must have Microsoft® Office Professional 2003 or higher installed on your computer. No additional data disks are required. The Microsoft Excel User's Guide, particularly, covers every feature of our spreadsheets.



Our spreadsheets require at least:

- Microsoft Windows® 2000 Service Pack 3 (or greater), Windows XP;
- 128 MB of free RAM;
- 800 x 600 Super VGA Monitor, but higher resolutions are recommended;
- Pentium 233 Mhz or higher.

Obviously, you must have an internet connection.

Your installation must include the following applications, which come with Microsoft Office:

- Excel;
- Word®.



The Excel spreadsheets need the Solver (Tools) installed and do automatically the calculations providing macros have not been switched off.

If you discover that you are missing any necessary files, either use your original Microsoft Office installation disks or CD-ROM to install them, or ask your system administrator for help.



Please note that the spreadsheets will not necessarily work with previous versions of Excel (e.g. '95, 5.x etc) or other spreadsheet programs. This is due to incompatibility between software and backward incompatibility between versions.

Note Those not familiar with Excel are directed to the Help functions within Excel and relevant literature available at book and computer shops.

1.3 Activation code

First of all, you need to unlock the spreadsheets before using them. Make sure your keyword is available before launching the application.

An activation code that unlocks the individual spreadsheets you ordered will be sent to you by e-mail once your payment is received. The activation code is based on the *Name, Organisation, Postcode* you supply via internet in the field of the register application. The keyword must be entered into the form manually.

Activation Code

EUROCODES
SPREADSHEETS
Structural Design

Carlo Sigmund

PLEASE, UNLOCK YOUR LICENSED SPREADSHEET

IF YOU PURCHASED THIS EXCEL® SPREADSHEET ELECTRONICALLY, YOU SHOULD BE PROVIDED THE ACTIVATION CODE VIA ELECTRONIC MAIL.

ENTER THE KEYCODE EXACTLY AS IT WAS GIVEN TO YOU. IF YOU ARE PROMPTED THAT THE KEYWORD IS NOT VALID, CAREFULLY DOUBLE-CHECK THE KEYWORD YOU ENTERED.

ONCE ENTERED THE KEYWORD CLICK "OK" TO UNLOCK THE SPREADSHEET. THANK YOU.

A PDF format document of the User Manual is found in the root folder of the drive where the software was installed.

jk21 wER2 NM2w 1289 qQou

OK Exit



You can protect again your spreadsheet by clicking on the "Enter Keyword" button and then on the "OK" button without typing anything.

Figure 1.1 «Activation code» form active. Keyword entered: jk21-wER2-NM2w-1289-qQou.



When you start the individual spreadsheets for the first time, you are prompted to read the Software License Agreement for *EUROCODES Spreadsheets Structural Design*. Entering your keyword and clicking "OK" you agree that this is the entire agreement between you and Carlo Sigmund, which supersedes any prior agreement, whether written or oral, and all other communications between Carlo Sigmund and you relating to the subject matter of this Agreement.

1.4 End User License Agreement

Software License Agreement for *EUROCODES Spreadsheets Structural Design*.

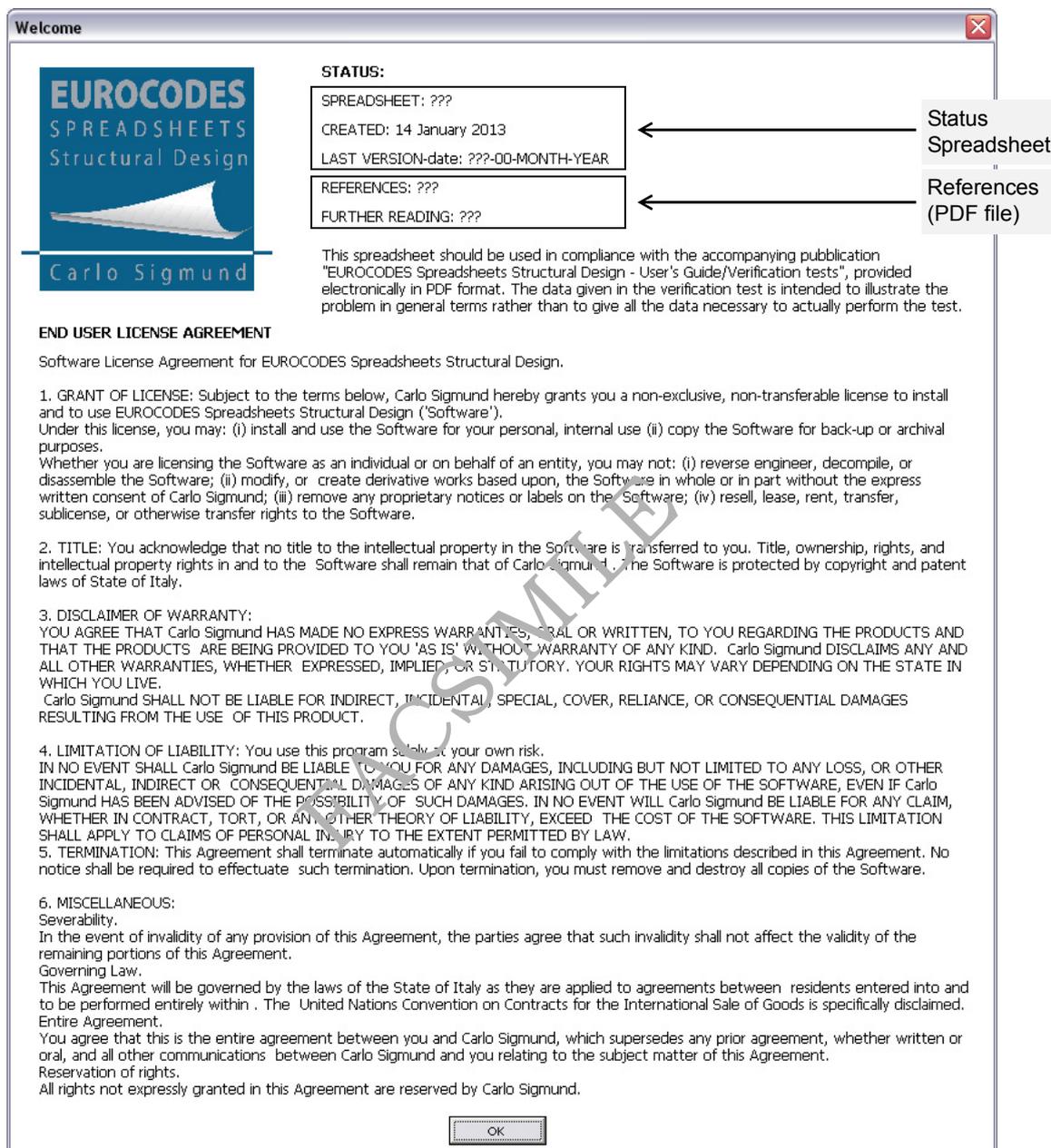


Figure 1.2 “Splash-screen”: Status of the spreadsheet, References and End User License Agreement.

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SEVERABILITY. In the event of invalidity of any provision of this Agreement, the parties agree that such invalidity shall not affect the validity of the remaining portions of this Agreement.

GOVERNING LAW. This Agreement will be governed by the laws of the State of Italy as they are applied to agreements between residents entered into and to be performed entirely within. The United Nations Convention on Contracts for the International Sale of Goods is specifically disclaimed.

ENTIRE AGREEMENT. You agree that this is the entire agreement between you and Carlo Sigmund, which supersedes any prior agreement, whether written or oral,

and all other communications between Carlo Sigmund and you relating to the subject matter of this Agreement.

RESERVATION OF RIGHTS. All rights not expressly granted in this Agreement are reserved by Carlo Sigmund.

1.5 Before you begin

One of the most practical habits you can develop is to make a backup copy and to save your files often. When you save a file, you ensure that it remains stored in your computer even if there is a power failure or system crash. To avoid the frustration of wasting your time, save your work regularly. Save spreadsheets to a directory and/or folder of your choice. This is particularly true where spreadsheets pertaining to a particular project are saved to a folder given the project's name. Before you begin, a backup copy on a CD-ROM is recommended to avoid using corrupted or bespoke files. If you make any mistake, start again from the base version of the spreadsheet you made on the CD-ROM. The Microsoft Excel application should be running before you start your work. When loading the individual spreadsheets, Excel may warn you about the presence of macros. It is strongly suggested that you turn the macros on ("enable macros"). All the macros provided in the files are either to launch the Solver and to allow automated printing/saving of the calculations or to provide choices by way of combo-boxes.

1.6 EUROCODES Spreadsheets Structural Design - Verification tests

The spreadsheets have been developed with the goal of carry out fast calculations according to the Eurocodes (EN). The spreadsheets have been produced to cater for both first-time users and the very experienced. The spreadsheets will be issued with publications (provided electronically in the PDF format) covering their use, complete with model designs and verification tests. The data given in the "problem sketch" of each test is intended to illustrate the problem in general terms rather than to give all the data necessary to actually perform the test.



The verification tests-results given in the publications were obtained using Microsoft® Office Excel 2003 (11.5612.5606), which comes with Microsoft Office Professional Edition 2003.

1.7 Technical Support

Enclosed with the software our customers will receive:

- an invoice/receipt
- a non-trasferable keyword (to unlock the spreadsheets)
- an "e-mail address" (technical support).

Queries should be e-mailed to our “e-mail address” to require technical support. E-mailed questions, comments, developments and suggestions are welcomed. We regret that telephone enquiries cannot be dealt with.



Over a period of two years from the date of purchase, it is expected that the updated versions of individual spreadsheets will be downloadable (free of charge) by those who can provide their own valid password. Beyond two years, however, we reserve the right to charge for updating the spreadsheets in order to cover costs.

1.8 Production Notes

The pages of this document were created electronically using *Inkscape 0.48* (Copyright© 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA), www.inkscape.org.

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The *Bookman Old Style* and *Tahoma* TrueType typefaces (11 pt) are used throughout this document.

All the spreadsheets will be developed using *Arial* TrueType typefaces (11 pt).

1.9 Last but not least

Even though our software is easy to use, we recommend looking over the Microsoft Office User’s Guide. The Microsoft Excel User’s Guide, particularly, covers every feature of our spreadsheets.

We are sure you will not miss the opportunity of trying our software and we look forward to receiving a positive reply from you.

We value your opinion highly. If you have comments/suggestions or should you need any further information, please feel free to contact us via any address listed below.

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