

infosteel

Steel-Tools

Professorendag Journée des professeurs 2/2/2016

Agenda

- 1. Infosteel-website: source of information
- 2. "ready-to-use" manuals for education
- 3. Tools provided by third-parties
- 4. Research projects

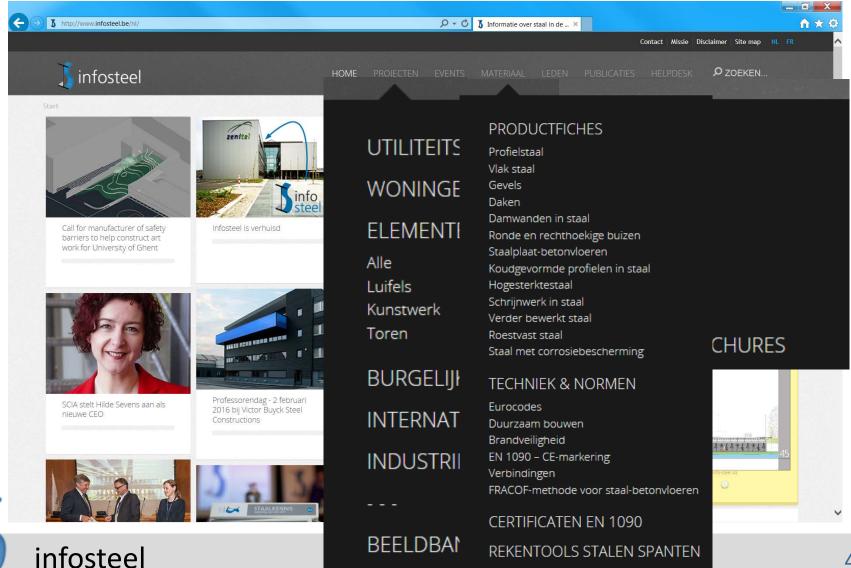


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INFOSTEEL-WEBSITE: SOURCE OF INFORMATION

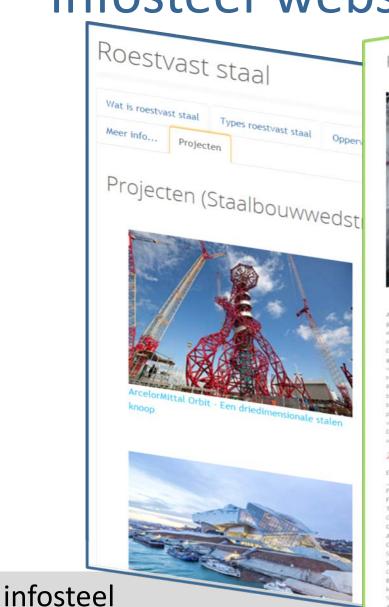


Infosteel-website: overview





Infosteel-website: example





prd staal met een hoge vloeigrens, de A52 - thans vergetijkbaar met het staal \$355 JR -

verbindingen, los van de Bismaatsomstandigheden.

Deze techniek liet verder toe loos voegen is maken tussen een aantal oorspronkelijke kleine driehoeken en op die marker de Deze techniek het verder toe lote voegen te maken tussen een aantal oorspronkelijke kleine drehoeken en op die ma insljoelingsrisko's te verminderen, terwijl het originele aspect van het Aforeium van 58, heel getrouw werd bewaard.

PLasts_Localisation
FOO Mobiliteit en Vervoer, Directie Vervoerinfrastructuur, Brussel_SPF Mobilitei et Transports, Direction Infrastructure de

Gedetegeerde opdrachtgever Maître d'ouvrage delégué

Origin, Brussel Brusselles

Origin, Brussel Bruxelles Studiebureau Bureau d'études

Seco, Brussel_Bruxelles Controlebureau_Sureau de contrôle

Beigometal, Wetteren

Jemants, Arendonk Staalbouwer_Constructeur métallique

Algemene dannemer_Entrepreneur général



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"READY-TO-USE" MANUALS FOR EDUCATION



Overview

- 1. Basics on "structures and design"
- 2. Design of steel structures (Eurocode-based)
- 3. Specific steel related topics



General « design and structures »





Kracht+Vorm: content

- "Inleiding in de constructieleer van bouwwerken"
- ≠ steel-oriented
- Targeted students: bachelor (prof. & acad.)
 construction/engineering, architects, ...
- All images of the book free available for your powerpoint, ... (upon registration)
- Only available in Dutch
- 200 pages

Kracht+Vorm

14 chapters & 6 annexes

Chapters	
1. Inleiding (4p)	8. Vormveranderingen (7p)
2. Materiaalkunde (6p)	9. Veiligheidsfactoren (4p)
3. Bouwwerken en constructies (10p)	10. Staalconstructies (14p)
4. Functionele eisen (4p)	11. Betonconstructies (11p)
5. Belastingen op gebouwen (10p)	12. Houtconstructies (10p)
6. Krachten in constructies (37p)	13. Steenconstructies (3p)
7. Stabiliteit (10p)	14. Funderingen (11p)



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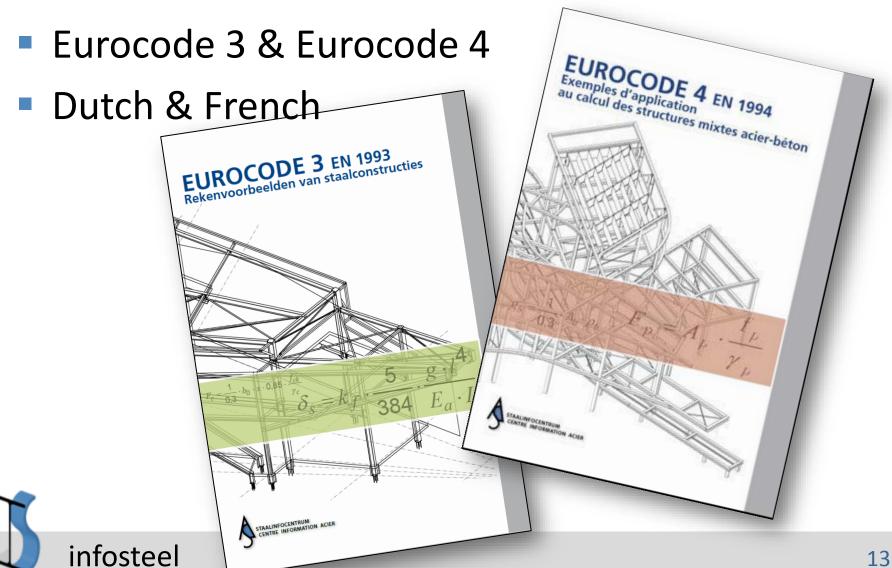


Design of steel structures

- All Eurocode based
- 2 series :
 - Exercises
 - Handbooks



Exercises



Handbooks on design of steel structures

Editions by "Bouwen met Staal"

Only available in Dutch (English in the future)







Per-chapter publication

Cheaper student versic

Images available for po



Handbooks on design of steel

structures

In the same series as the previous but edited

Guides de construction métallique

Construction mixte

on mixte

Staal-betonconstructies

by "Infosteel"

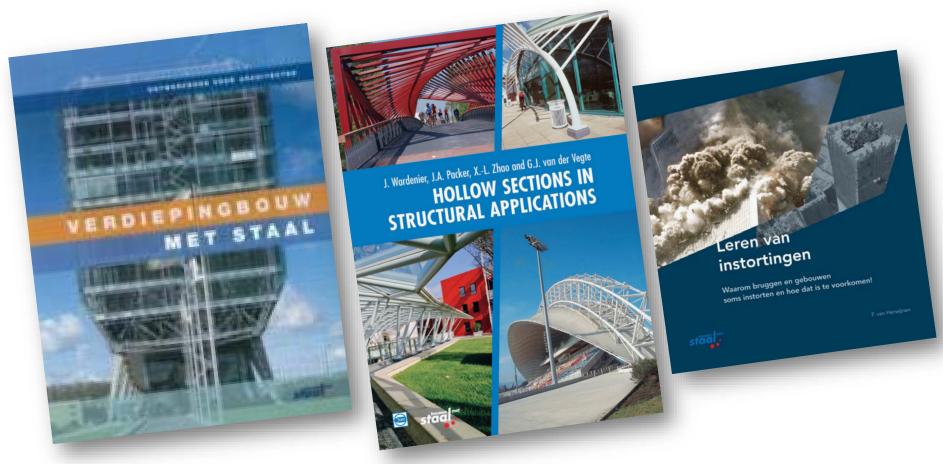




(Very) special pricing for ed



Other books related with use and design of steel





Other books related with use and design of steel



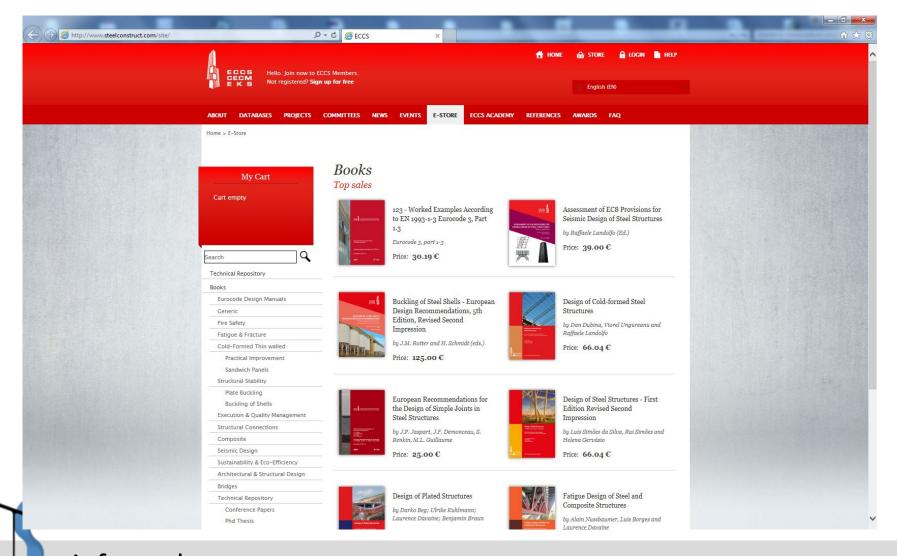


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TOOLS PROVIDED BY THIRD-PARTIES



ECCS: www.steelconstruct.com



Constructalia ("powered by" ArcelorMittal)

- Main items :
 - Product data sheets
 - Case studies
 - (Free) design software
 - Publications
 - Sustainable construction
- www.constructalia.com
- English, French, German, Spanish, Italian, Polish



ECCA-academy www.prepaintedmetalacademy.eu



1. Introduction To Coil Coating

A basic introduction to all aspects of prepainted metal and coil coating



2. The coil coating process

A description of the coil coating process



3. Substrates for coil coating - steel

How steel is made and the types of steel used as a substrate for prepainted metal



4. Substrates for coil coating - aluminium

How aluminium is made and the types of aluminium used for coil coating



5. Pre-treatment

An overview of the pre-treatment process, including strip cleaning and conversion coating



6. Organic coatings

A description of the organic coatings applied in the coil coating process



7. Environmental aspects of coil coating

The environmental benefits and impacts of coil coating and an overview of relevant European legislation



8. Markets for prepainted metal

An overview of markets from both a statistical and a descriptive viewpoint



9. Design & use of prepainted metal

Details on how to design with prepainted metal and practical advice on how to use this material



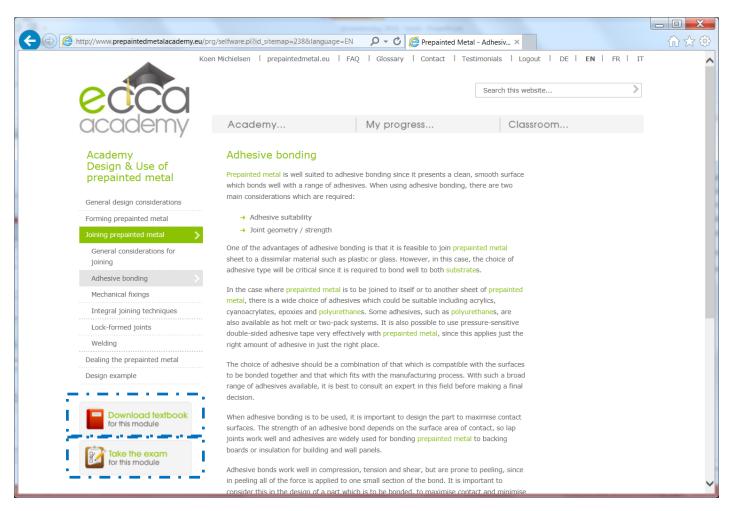
10. Toolbox

Contains guidelines documents, recommendations and other files related to coil coated products and their process



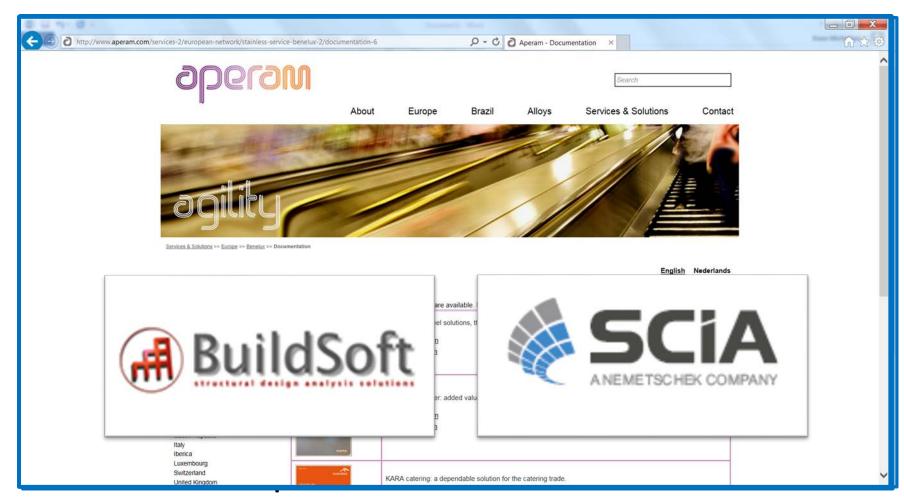


ECCA-academy www.prepaintedmetalacademy.eu





Support from our members





Websites from companies

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RESEARCH PROJECTS



Research-projects Education & Infosteel

- Infosteel is open to be involved in research-projects as dissimination partner.
- Some examples of the past :
 - HIVOSS (IWT)
 - COMBRI+ (RFCS)
 - BCO (IWT)
 - CFS (IWT)



Research-projects Education & Infosteel

 Infosteel pays special attention to the results of PhDresearch (on steel related subjects) by a publication in the Infosteel-magazine







