



L'ENVELOPPE
MÉTALLIQUE
DU BÂTIMENT

ASSOCIATION DES FABRICANTS
DE PANNEAUX, PROFILS ET SYSTÈMES

WORKSHOP, TUESDAY, 26TH JULY 2016

GRISPE

Guidelines and Recommendations for Integrating
Specific Profiled steel sheets in the Eurocodes (**GRISPE**)

DISCOVER EASY TO USE CALCULATION METHODS FOR 7 KEY STEEL PROFILES!

- steel decks with embossments/indentations and/or outwards stiffener
- liner trays
- assembled profiles
- corrugated sheeting
- curved profiles
- perforated and holed profiles
- interlocking planks

The GRISPE project has received financial support from the European Community's Research Fund for Coal and Steel (RFCS) under grant agreement No RFSR-CT-2013-00018"

L'Enveloppe Métallique du Bâtiment in short:

- ❑ Is the only French professional organization representing the manufacturers of profiled steel sheets and sandwich panels in France
- ❑ Its members account for 95% of the producers in France
- ❑ In 2015, it initiated the creation of the INSTITUT DE L'ENVELOPPE MÉTALLIQUE (www.institut.enveloppe.metallique.fr) which is an expertise center on metal envelop



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L'Enveloppe Métallique du Bâtiment ,with the support of the Institut, carries out 5 key missions:

- **promoting the industry** of insulated metal panel and profiled sheet
- participating in the **preparation of new regulations** (RAGE rules, ...)
- **developing training seminars** for manufacturers, end users and installers. More than 50 different training courses are currently available (how to design with Eurocodes, strength of materials, ...)
- **setting up and managing research programs**, such as the European GRISPE project, to address the collective interest of the profiled steel sheets and sandwich panels industry
- **carrying out technical projects (tests, studies,...)** in the interest of all its members. e.g: 17 collective Environmental Product Declaration (EPD) are available, the BIM objects catalogue

Introduction to the GRISPE project


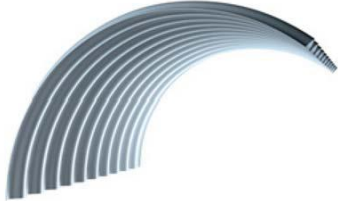

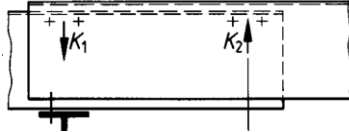
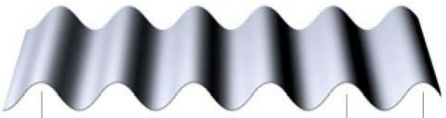
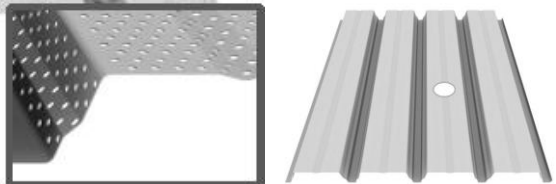

The GRISPE project is carried out with a financial grant of the Research Programme of the European Research Fund for Coal and Steel

There are 6 partners from 3 different European countries:

- L'ENVELOPPE MÉTALLIQUE DU BÂTIMENT (Coordinator)
- BACACIER
- INGENIEUR BURO FUR LEICHTBAU
- KARLSRUHER INSTITUT FUR TECHNOLOGIE
- SOCIETE BRETONNE DE PROFILAGE (JORIS IDE)
- SOKOL PALISSON CONSULTANTS

Overview of the GRISPE project

The GRISPE project aims at providing technical data and calculation methods for 7 widely used steel profiles not included in the current version of the Eurocode

<p>Steel decks with embossments or stiffners</p> 	<p>Curved profiles</p> 
<p>Liner trays</p> 	<p>Assembled profiles</p> 
<p>Corrugated sheetings</p> 	<p>Perforated or holed profiles</p> 
<p>Cladding systems</p> 	

Introduction to the GRISPE project

4 MAINS TASKS HAVE BEEN DEVELOPED:

- Critical review of the state of the art for the selected products
- Extensive experimental program to fill in the gaps in knowledge
- Development of calculation methods
- Proposition of codification changes to CEN TC 250/SC3/WG3 EN 1993-1-3