

# Activities of Finnish EPS Association in 2007 – 2008

Nordic EPS meeting, Copenhagen  
12.6.2008



## ■ Members / EPS converters

- M-Plast Oy (Kyösti Hakkarainen, Martti Timonen)
- Soklex Oy (Arto Toivonen, Hannu Piispanen)
- Solupak Oy Sintonen (Tapani Sintonen, Leena-Maija Sintonen)
- ThermiSol Oy (Jussi Aro, Urpo J. Salminen)
- UK-Muovi Oy (**chairman of EPS Association board Harri Naukkarinen**, Minna Aronen)

## ■ Supporter members / EPS raw material producers

- Brødr. Sunde as (contact person Ørvar Tollås)
- *PlasticsEurope* (focal point Markku Rautanen, StyroChem Finland Oy)

## ■ Association works under Finnish Plastics Industries Federation

- Secretary General Katja Outinen (work input 100 % for EPS)
- Assistant Eeve-Leena Savolainen (work input 7,5 % for EPS)



- new brochures to give information about the installation of boards
- a general EPS brochure was published 6/2007, a technical brochure is under renewal
- TV spots in October 2007 and April 2008
  - also a competition with a prize of EPS insulation boards
- a lobbying plan for authorities
  - the aim is to influence authorities in the fields of energy efficiency issues and U-values
- the delivery terms of EPS construction insulation industry will be finished in 6/2008
- we had a seminar series in October 2007
  - technical seminars in 5 cities, energy efficiency issues related to EPS insulations



- Surveillance of the EPStress Geofoam experiment, VTT
  - EPS in civil engineering application, measurements in 2004, 2005, 2007
- Energy efficiency at homes, Motiva Oy
  - marketing project that aims to increase the building of low-energy houses
  - [www.energiatehokaskoti.fi](http://www.energiatehokaskoti.fi)
- Calculation of mould effect in building materials "Mould model", VTT + TUT
- RIL Building physics handbook and RIL-guide for low-energy houses
  - The Association for Civil Engineers in Finland and TUT and other experts from different companies
- SVOC – semi-volatile organic compounds and fire retardants in construction materials – VTT project
- A state of the art study about pentane issues and techniques to reduce pentane
  - working group members from EPS converters and raw material producer



- EUMEPS (European Manufacturers of Expanded Polystyrene)
  - EUMEPS Presidium (Urpo J. Salminen, CRH Europe EPS Insulation)
  - EUMEPS Construction (Urpo J. Salminen, CRH Europe EPS Insulation)
  - EUMEPS WG Technical (Katja Outinen)
  - Urpo J. Salminen is a member of the Executive Committee and a vice-chairman
  
- NEPS (Nordic cooperation of EPS Groups and Associations)
  - 11.-12.6.2008 in Denmark
  - in 2009 in Sweden
  
- *PlasticsEurope* – EPS Funding Scheme



- **CEN/TC88 Thermal insulation products**
  - CEN/TC88 WG4 (EN 13163)
  - task group CEN/TC88 WG4 TG CEA (EN 14933)
- **CEN/TC89 Thermal performance of buildings and components**
- **ISO/TC163 Thermal insulation products and energy use in built environment**
  - ISO/TC 163 SC3 WG4 Frost insulation and constructions
- **CEN/TC127 Fire safety in buildings**
- **CEN/TC 350 Sustainability of construction works**
- **CEN/TC351 Construction Products: Assessment of Release of Dangerous Substances**
- and all the national mirror groups dealing with above mentioned issues



# Two fire cases in May 2008

- construction site (new travel centre) next to the railway station in Riihimäki, Vantaa, 5.5.2008
  - inverted roof structure
  - standard EPS quality (no flame retardants, main application for frost insulation, 200 kPa (EPS 200 Frost), thickness of the EPS layer 120 + 120 mm, 5000 m<sup>2</sup> of EPS boards were damaged)
  - the fire started after a gas heater fell down on an EPS package on the roof
  - Bitumen layers and rolls caused the biggest fire and flames
  
- EPS Plant M-Plast Oy in Kaavi, 21.5.2008
  - fire started from a cutting line: the cutting line stopped and the hot wires initiated EPS block
  - no personal injuries
  - losses about 2...3 million €:
    - over 1000 m<sup>2</sup> of the factory (total area 1900 m<sup>2</sup>)
    - warehouse of 450 m<sup>2</sup> (finished EPS boards)
    - about 4000 m<sup>3</sup> of EPS boards stored at the yard of the plant

