Part II – Eco-efficiency

Chapter 5 – Evaluation of construction materials and products
   Coordinators: Milan Veljkovic, Heli Koukkari, Ruben Paul Borg
   177

5.1. Overview on Eco-efficiency of Constructions
   M. Veljkovic, H. Koukkari, R. P. Borg, V. Stoian and Z. Plewako
   177

5.2. Sustainable concrete construction: recycled aggregate concrete for structural use
   S. Marinkovic, V. Radonjanin, M. Malesev. and I. Ignjatovic
   189

5.3. Façade-cladding systems (ETICS): an overview of their environmental impact
   - a holistic approach towards conformity with the EPBD.
   Comparison: Lithuania, Hungary and Malta
   V. Buhagiar, R. P. Borg, R. Norvaisienė and Z. Hunyadi
   205

5.4. Using tires rubber waste for deformation of concrete properties
   E. Smetonaitė and R. Norvaisienė
   221

5.5. Life cycle inventory of stainless steel – A review of challenges,
   methods and applications
   B. Rossi
   227

5.6. Sustainable characteristics of steel and aluminium frame structures
   for dwelling buildings
   E. Efthymiou, A. Kozlowski, Z. Plewako, Ch. O. Efstathiades and S. R. Ermolli
   235

5.7. Phase changing materials in building elements
   S. R. Ermolli, H. Koukkari and L. Braganca
   245

Chapter 6 – Environmental performance of constructions
   Chapter’s coordinator: Valeriu Stoian
   257

6.1. Towards energy-efficient buildings in Europe
   H. Koukkari, and L. Braganca
   257

6.2. Improving the energy efficiency on existing dwellings
   A. B. Dias
   273

6.3. The energetic performances and audit of the existing buildings
   D. Dan and V. Stoian
   281

6.4. Energy saving in Lithuanian building sector
   R. Norvaisienė
   287

6.5. Reflective insulation materials to increase the energy efficiency in buildings
   V. Stoian, D. Dan, V. Buhagiar and R. P. Borg
   293

6.6. Green building, Passive house, Intelligent house
   V. Stoian and B. I. Botea
   299

6.7. Assessment in terms of energy efficiency and comfort for the semi-passive house
   S. Brata
   303