



## **RETAINING WALLS MADE OF SOIL REINFORCED WITH GEOSYNTHETICS INCLUDING ACTIVE AND PASSIVE WALLS WITH CONCRETE BLOCK-FACING**

### **Summary:**

*This paper describes the technology of reinforced soil of retaining walls which appear in two separate systems depending on the relation between reinforcement and facing. The problems discussed in the paper refer to soil reinforced with geotextiles, and present features of the systems with active or passive facing, as well as the calculation method. Both systems were evaluated in terms of their advantages and disadvantages, leaving the final assessment to the reader. The technologies presented were selected on the basis of the projects already realized. Some of them are presented in the figures section. The calculation method of retaining walls has been presented according to the EC7, the EBGE0 2010 directives, and the ITB 429/2007 manual helping the designer to prepare the necessary calculations and technical specification.*

### **Key words:**

*retaining wall, geosynthetics*

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<sup>1</sup> Michal Pilch, Przedsiębiorstwo Realizacyjne INORA Sp. z o.o. ul. Prymasa Stefana Wyszyńskiego 11; 44-100 Gliwice