

Application of geopolymer composites as fire barriers

The project aims is to improve the prevention, protection and security of the country's population in the event of a fire at the same time limited the spread of fire. More precisely by using efficient technology surface treatment of metal and wooden structures of buildings and the way the use of composite materials based geopolymers. Part of the aim is to prepare the commercialization of newly developed product to increase protection and security of citizens in crisis situations.

Code	VI20172019055
State providing funder	Ministry of the Interior of The Czech republic https://www.mvcr.cz/mvcren/default.aspx
Programme	Security Research Program of the Czech Republic
Total eligible costs	10 152 000 CZK
Total project subsidy	9 354 000 CZK
Subsidy FME TUL	6 694 000 CZK
Subsidy CNATI (Cxl)	2 266 000 CZK
TUL project number	16299
Contractor	TUL, Faculty of Mechanical Engineering
Project participant	none
Principal investigator TUL	prof. Ing. Petr Louda, CSc.
Department	Department of Material Science http://www.fs.tul.cz/en/materials/research-and-innovations/
Period	2017-2019

<https://www.rvvi.cz/cep?s=jednoduche-vyhledavani&ss=detail&n=0&h=VI20172019055>

Costs (year) TUL	2017	2018	2019	Total
Non-investment (CZK)	2 660 000 (Cxl)	3 654 000	3 040 000	9 354 000
Investment (CZK)	0	0	0	0
Total (CZK) TUL	2 660 000 (Cxl)	3 654 000	3 040 000	9 354 000

Project results [EN](#)

2018	Article	RIV/46747885:24210/18:00005646
2018	Article	RIV/46747885:24210/18:00005652
2018	Other	RIV/46747885:24210/18:00005788
2018	Article	RIV/46747885:24410/18:00005652
2018	Article	RIV/46747885:24510/18:00005646
2018	Other	RIV/46747885:24620/18:00005788