Project 2

Innovative and multifunctional composite materials for sustainable buildings

## Time frame activities

	2014		20	)15			20	16			2	017	
	IV	ı	П	III	IV	ı	II	III	IV	I	П	Ш	IV
Experimental research on component scale specimens.     Additional investigation damping and impact properties on finalised panels with vertical stiffeners	х	х	х	х	х	х	х						
1.1 Identification of material mechanical properties	х	х	Х										
1.2. Identification of material thermal properties	х	Х	Х	х	Х	х							
1.3. Identification of vibration damping properties		Х	Х	х	Х								
1.4. Identification of impact properties					Χ	Х	Х						
2. Virtual modelling and optimisation by numerical methods	x	х	х	х	х	х	х	х	х	х	х	х	
2.1 Updating of the Finite Element numerical model	х	х	Х	х	х	х	х						
2.2 Optimisation of the product/process				Х	Х	Х	Х	Х	Х				
2.3 Validation of numerical model with experimental results					Х	Х	Х	Х	Х	Х			
2.4 Development of design methodology									х	Х	х	х	
3. Prototyping at laboratory scale.  Development of design guidelines	х	х	х	х	Х	х	х	х	х	х	х	х	х
3.1. Upgrading of the chemical coposition of foam material	Х	Х	Х	Х	Х								
3.2. Laboratory scale prototyping				Х	Х	Х	Χ	Χ	Х	Х			
3.3 Scale-up of industrial manufacturing								Х	Х	Х	Х	Х	Х
4. Dissemination	X	Х	X	X	Х	X	Х	Х	Х	X	X	Х	Χ