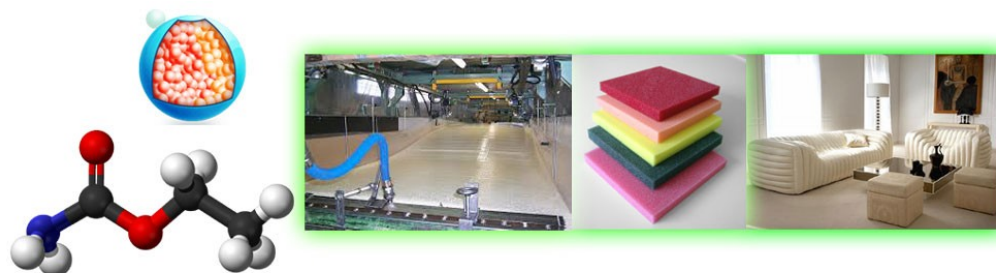


# FreeFOAM

[Novel Approach for PU Foam Formulation]



The aim of the FreeFOAM project is to develop a new method of microencapsulation of isocyanate. Encapsulated isocyanates opens up a new way of polyurethane processing.

FREEFOAM will benefit the involved partners by:

1. Creating a new microencapsulation method that will enhance the mixture reactivity and homogeneity between isocyanate and polyol.
2. Creating a new and advanced polyurethane foam system with enhanced properties: mechanical properties, density, homogeneity of the foam.
3. This new microencapsulation method can be also exploited for other products: cosmetic, pharmaceutical, etc.

FreeFOAM brings together a consortium of nine organisations to deliver the project led by CETEM (Science & Technology - Spain) and includes Inspiralia (Research - Spain), Polymer Expert (Innovative & Research - France), Tagra (Technology & Innovative - Israel), Plama-pur (Flexible PUR Producer - Slovenia), Cosmetic Valley (Development & Innovative - France), Wood Industry Cluster (Wood Industry Association - Slovenia), ZCHFP (Chemical & Pharmaceutical - Slovakia) and BFM (Furniture Industry Association - United Kingdom).

Having commenced in May 2013, the project has a planned duration of three years

FreeFOAM project has received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 309283,

## FreeFOAM

Novel PUR foaming manufacturing process with reduced isocyanate content

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EU FP7 project for SME Associations (2013-2016)

CONSORTIUM:



CONTACT

Mr Francisco José Melero Muñoz  
Coordinator of the project  
CETEM - Centro Tecnológico del Mueble y la Madera de la Región de Murcia  
T: +34 968 752040  
E: fj.melero@cetem.es