

Rubiera, 22/04/2014

Oggetto: Project ECOSTARLIKE (Call NMP-25-2014-2 Horizon 2020): partners research.

Litokol is an Italian PMI promotes innovative solutions for professionals in the construction industry and the design world. Since 1968 Litokol has extended its activity from the traditional tile sector to the broader building environment. Litokol's mission is to provide functional and precise solutions to meet the needs of building professional.

We are looking for other European PMI interested in our project ECOSTARLIKE, that we would like to submit in-chief at the European program Horizon 2020 Pillar 2: INDUSTRIAL LEADERSHIP, Section: Innovation in SMSs, Action: TOOLS FOR SMEs by title "ACCELERATE THE ADOPTION OF NANOTECHNOLOGIES, ADVANCED MATERIALS, PROCESSING AND MANUFACTURING TECHNOLOGIES ADVANCED BY SMEs". The proposed project (ECOSTARLIKE) aims to develop a new range of products for the building sector – a special mortar with peculiar properties, acting as gluing and grouting material for a lot of different materials such as, for example, tiles, mosaics, glass, marble, natural stones, wood, metals and plastics. These multi-component products, containing organic and inorganic species, should satisfy the following requirements:

- to be a two-component “solvent-free” (resin and curing agent) epoxy-based mortar, to replace similar products that are currently on the market, which are based on non-aqueous solvents to be, as much as possible, “VOCs-free” (Volatile Organic Compounds) through a careful choice of ingredients, i.e. substances already available on the market or functional designed materials:
- to be more “eco-compatible” than currently used materials, by eliminating toxic or hazardous components according to the REACH / CLP regulation (1907/2006/CE).
- to be fully compatible for “food contact”, according to the directive 2002/72/CE,
- to be available both for indoor and outdoor use, being resistant to UV-radiation and weathering,
- to be resistant to occasional contact with common household chemicals (alcohols, chlorine-based detergents, common surfactants)
- to have low elastic modulus and high ductility, to ensure anti-seismic resistance to the tiled wall,
- to possibly contain recycled materials based on silica and/or different minerals, or other kinds of natural fillers (such as cellulose fibres),
- to be easily removable with water immediately after application, in order to ensure the easy cleaning of tile surfaces from excess material, only by rubbing and emulsification.

The identified Call has a dead line 09.10.14. Our goal is to identify the partnership by the end of May 2014 in order to proceed with the drafting of the proposal according to the format of the Call by July 2014.

Contacts:

Lucio Cerrito: qualita@litokol.it

Massimo Bardea: massimo.bardea@asset-consulting.eu

Lucio Cerrito

Project manager

Litokol S.p.A.

Via G.Falcone, 13/1, 42048 Rubiera (RE) – Italy

Tel: 0522622849

Fax: 0522620150

Cell: 3355470140

e-mail: qualita@litokol.it

CF/P.IVA.: IT 00135210359 – N.REA RE 105330

LITOKOL S.P.A.

Via G.Falcone, 13/1
42048 RUBIERA (RE) Italy
Tel. +39.0522.622811
Fax.+39.0522.620150
info@litokol.it www.litokol.it

Capitale sociale
Interamente versato € 500.000,00
Codice fiscale, partita IVA
e n. iscrz. imp. RE: IT 00135210359
R.E.A. RE 105330 Mecc. RE 013255



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