



LIFE21-ENV-IT-LIFE  
GREEN COMPOSITE  
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DELTA SRL  
PLADOS TELMA  
KITCHEN EXPERIENCE



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LIFE GREEN COMPOSITE aims to develop an environmentally friendly production of kitchen sinks and countertops, using recycled raw materials through industrial symbiosis. The goal is to implement circular solutions that enable in-house production of sinks and panels in eco-sustainable composite materials, created in an innovative process starting from the resources, spanning over adapted, state-of-the-art grinding and coating technologies to new products' design and new dispersion formulations.

r- = recycled

### PROJECT OBJECTIVES:

#### GREEN SINKS PRODUCTION

- Production of sinks with secondary raw materials obtained by volumetric reduction of waste and scraps from composite sinks and other external sources, in a Grinding Plant.
- Grinded scraps are subsequently coated, colored and mixed with r-acrylic syrup in a new dedicated plant, with a reduced environmental impact.

#### GREEN PANELS PRODUCTION

- Production of panels to be used as kitchen countertops with improved performance, by recycling sink production waste.

### EXPECTED IMPACTS:

- Recycling of all the annual waste from sinks' production
- Deliver to market 100% recycled kitchen sinks and worktops
- Successful market launch of ecological composite worktops in solid colors and a new concept of granite effect with improved performance.

### PROBLEMS AND NEEDS ADDRESSED BY THE PROJECT

- EU-wide 1,5 Million kitchen sinks are yearly produced in composite materials, with increasing appreciation by consumers due to their particular properties;
- 17% of the overall production constitutes waste: about 3.654 tons EU-wide;
- This mineral waste, heavily polluted by polymers, is for about 98% landfilled as special industrial waste.

