

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 counter-tops with improved performance, by recycling sinks' 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.

DELTA SRL

PLADOS TELMA
KITCHEN EXPERIENCE

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GREEN COMPOSITE**
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Duration: 36 months
Start: Aug 2022
End: Jul 2025

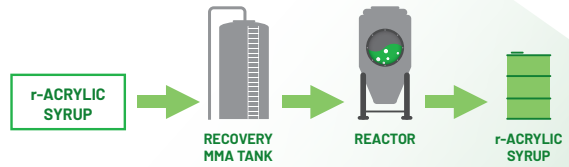
LIFE GREEN COMPOSITE aims to develop an environmentally friendly production of kitchen sinks and countertops, using recycled raw materials through industrial symbiosis. The goal is to implement circular solutions that enable in-house production of sinks and panels in eco-sustainable composite materials, 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.

BENEFICIARIES:

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Life GREEN COMPOSITE

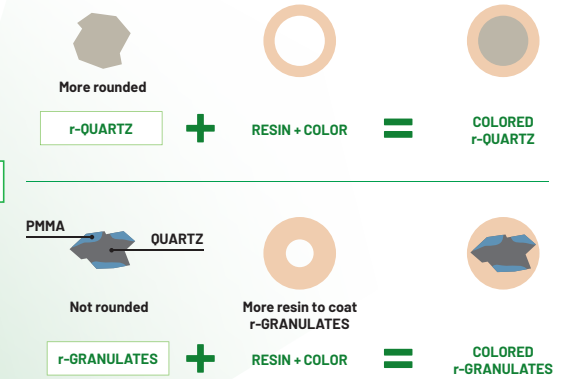


r-ACRYLIC SYRUP



r-MMA

COLORATION



COLORATION

EXTERNAL SCRAPS



r-QUARTZ



DELTA^{SRL}

PLADOS TELMA[®]
KITCHEN EXPERIENCE

GREEN SINKS
PRODUCTION

r-ACRYLIC SYRUP + r-QUARTZ
r-ACRYLIC SYRUP + r-GRANULATES

SCRAPS/WASTE

NEW GRINDING
PLANT

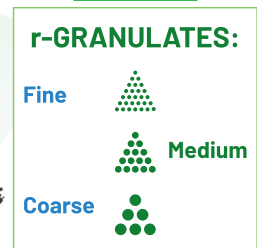


GREEN PANELS
PRODUCTION

GRANIT EFFECT:
r-GRANULATES + other r-MATERIALS

SOLID COLOR:
r-QUARTZ + r-SYRUP

OTHER
SCRAPS/WASTE



As you can see in the graphic, the project creates a circular value chain in which materials are recycled through innovative transformation processes: to achieve sinks and countertops made from 100% secondary raw materials, Delta's scraps and waste become resources for Delta itself and for Gees. On top of that, external sources provide strictly recycled r-MMA and r-Quartz.

r- = recycled