

# Reusing Waste



## Product Formulation

CRIQ experts have a number of things on their mind when they're looking at how best to develop and formulate new products. Can we refine it more? Can we make it even better? Is it perfect just like this? Does it respect the environment?

### OUR SERVICES

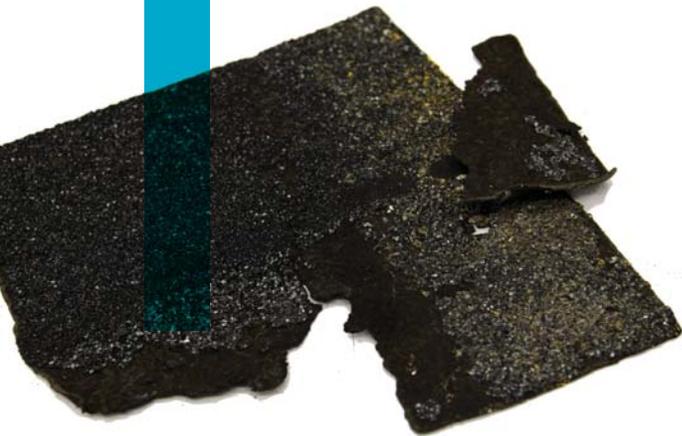
- We look at how advanced technologies are.
- We perform technical feasibility studies.
- We improve products.
- We fully develop new products.
- We assess and monitor product quality.
- We draw up product specifications and data sheets.
- We develop new procedures.

### OUR EXPERTISE

- Bitumens
- Petroleum products and additives
- Sealants
- Adhesives
- Thermosetting plastics
- Recycling plastics and rubber
- Surfactants
- Detergents
- Emulsions
- Suspensions

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### OUR STATE-OF-THE-ART EQUIPMENT

- Gas chromatography-mass spectrometry (GC-MS)
- High performance liquid chromatography (HPLC)
- Fourier transform infrared spectroscopy (FITR)
- Inductively coupled plasma spectroscopy (ICP)
- Kjeldahl analyzer
- Continuous flux analyzer
- Instron dynamometer
- Extension-compression equipment (Hockman cycle)
- Conditioning chamber
- Thermokinetic mixer
- Hydraulic press
- Two-cylinder calender

### PAST PROJECTS

#### Product fabrication for wastewater treatment

CRIQ chemists have used industrial residues to come up with a new product to treat municipal wastewater. The material obtained is just as efficient as the reactives normally used, but is cheaper to produce.



#### Additive formulation for fuel

Our team's expertise in petroleum products and formulation has helped us develop various fuel additives for the industrial and domestic sectors, mainly to improve combustion. The formulations are highly specialized and help minimize the impact of fossil fuels on our environment.



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