

ALGAE-BASED

# ALGinate FOIL

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RENEWABLE - VEGAN - COMPOSTABLE



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### INGREDIENTS & TOOLS:

- Sodium alginate - 8 g
- Water - 200 g/ml
- Glycerine - 20 g
- Calcium chloride solution 10%

Tools: scale, spoon, blender, jar with lid, spray bottle, acrylic sheet, squeegee, painting tape, kitchen paper

### THIS IS A VARIATION ON:

Flexible bioplastic alginate by Cecilia Raspanti for Fabricademy. Leave out the oil and decrease the amount of polymer for smoother transparent foils. Also documented by Raspanti as Alginate Flexible Bio-foil 2.

### MAKING PROCEDURE:

- Measure the ingredients
- Mix the alginate, water and glycerine in a blender and let it rest overnight.
- Pour evenly onto acrylic sheet
- Distribute with squeegee
- Spray with calcium chloride solution
- Dry for 3 days up to a week.
- Tape down dry and curly edges and soak up excess water with kitchen paper if necessary

Suitable for home composting.