

ALGAE-BASED  
AGAR FOIL



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AGAR FOIL

ALGAE - BASED

RENEWABLE - VEGAN  
COMPOSTABLE - REUSABLE



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INGREDIENTS & TOOLS:

- Agar powder - 5 g
- Glycerine - 15 g
- Water - 250 ml/g

Tools: scale, stove, pot, spoon,  
walled mould (or acrylic sheet for a  
thinner foil).

THIS IS A VARIATION ON:

Flexible biofoil by Cecilia Raspanti

Longer cooking time to create a  
thicker foil (40 mins)

MAKING PROCEDURE:

- Bring water to the boil, add  
agar and glycerine
- Stir continuously for 40 mins  
at 60-80 degrees until syrupy
- Cast into mould
- Dry in well-ventilated spa-  
ce for at least 3 days before  
releasing from mould (leave it  
longer if you can).
- Will shrink 40-60% in thickness  
but much less in width/length

Agar can be re-used by remelting  
and recasting. Suitable for home  
composting.