

Mixing Gentoo

Quart Kits

1. Review Documentation Before Starting

- Safety Data Sheets (SDSs): Part A and Part B
- Technical Data Sheet (TDS)
- Application Instructions



2. Use Personal Protective Equipment

As outlined in SDSs, TDS, and Application Instructions



3. Shake Part A for 30 seconds

 Video shows steps 3 through 6 for a full quart kit: https://www.youtube.com/watch?v=GWbatgsxbvA



4. Pour Part A into Clean Container

- Acceptable container materials: glass, stainless steel, polyethylene, polypropylene
- The entire quart can be used if desired
- If not using the entire quart, measure and record the weight of Part A being used



5. Add Part B to Part A

- Part B does not need to be shaken
- If the entire (new, unopened) bottle of Part A was used in Step 4, add the entire (new, unopened) bottle of Part B. Both bottles are filled to the same weight during production.
- If only some of the Part A quart container was poured out in Step 4, match the weight of Part B to Part A. They should be mixed together at a 1:1 ratio by weight.



6. Mix the Liquid

- Can mix continuously during the entire hydrolysis period
- Alternatively, can mix by hand for 2 minutes
 - Use clean stir rod/stick
 - Allow coating to sit for remainder of hydrolysis period
 - Mixing by hand has been tested with quantities up to 4 gallons (15 liters) of Gentoo (A+B). Larger quantities may require more hand mixing time.



7. Hydrolysis Time

- Coating must not be applied until the hydrolysis time has elapsed
- Hydrolysis time: 120 minutes at 21 °C (70 °F) or above



8. Blanket Unused Part A

- Preserve Part A by blanketing with inert gas (argon or nitrogen)
- https://www.youtube.com/watch?v=PNTTk Q-7FM



9. After Hydrolysis Time is Complete

- Apply Gentoo
- If not ready to apply Gentoo, can put in chemical fridge or freezer to extend pot life
- Alternatively, can put in cooler, with ice surrounding sealed containers of hydrolyzed Gentoo: https://youtu.be/he4l1vOnXEw
- Pot Life
 - Under 3 hours at 30 °C (85 °F)
 - Approx. 5 hours at 21 °C (70 °F)
 - Up to 16 hours at 5 °C (40 °F)

