Kalkwasser starter sheet

Balanced calcium and alkalinity support, bounded by measured demand and evaporation.

1 / Before mixing

☐ Record true water volume: _____ L. Alk: _____ dKH. Ca: _____ ppm.
Daily alkalinity use: _____ dKH/day. Evaporation: _____ L/day.

☐ Verify demand from a test log; account for existing two-part or other inputs. Kalk replaces some or all of that input, not an automatic extra dose. It is not a quick correction for low calcium or magnesium.

2 / Estimate, then start below the estimate

For fully saturated kalk near room temperature, the calculator uses about **114 dKH** in the solution [1]. Estimated L/day = daily use (dKH/day) × system L ÷ 114. Use the online calculator for weaker solutions.

Calculated amount: _____ L/day. Conservative starting amount: _____.
Check: kalk plus other fresh top-off must not exceed measured evaporation. If demand exceeds this ceiling, use another method for the remainder.

3 / Mix and deliver safely

☐ Wear eye protection and gloves; avoid dust. Add kalk powder to RO/DI water in a labeled, lidded reservoir following the product instructions. Keep away from children and pets.

☐ Let solids settle and dose only clear liquid, with the intake above sediment. Do not add other supplements to the kalk reservoir or mix it in saltwater.

☐ Use a controlled slow doser, anti-siphon protection, and a daily volume limit. Plan for a stuck pump: the reservoir must not be able to dump a dangerous amount. An ATO alone is not an overdose safeguard.

4 / Review the response

☐ Test alkalinity at consistent times and watch pH while starting or changing the dose. Increase only when the trend supports it. Never pour in a batch.

Unexpected pH rise, cloudiness, or coral stress? Stop kalk input, verify readings and equipment, and seek experienced help. Do not blindly add acid.
Starting dose / date: _____ Next review: _____

Sources & next steps

[1] Holmes-Farley: What Your Grandmother Never Told You About Lime
https://www.reefkeeping.com/issues/2005-01/rhf/index.php

Coral Compass: kalkwasser calculator and source math
https://coralcompass.app/tools/kalkwasser-calculator/