GB

MARINE CARE PROGRAM

KH Coralline Gro

Marine Buffer & Trace Supplement

Red Sea

Coralline Algae

Coralline algae, the pink, red and purple calcium carbonate based reef building algae that encrust the live rocks are beneficial in an artificial reef as they compete with nuisance algae for nutrients and therefore prevent their propagation.

Most natural live rocks are a source of coralline algae which will grow naturally (without any special supplements) in all reef systems that are maintained at the raised levels of the foundation elements (Calcium, Carbonates and Magnesium) suitable for hard corals and where minor and trace elements are supplemented to their natural levels.

The normal water parameters for fish only or soft coral aquariums do not provide the ideal conditions for coralline algae which require alkalinity to be maintained at approximately 3 meq/L (8.4 °dKH) as well as a constant supply of specific minor and trace elements.

KH Coralline Gro

KH Coralline Gro is a complex of carbonate buffers, potassium and trace elements such as iron formulated in the ratio taken up regularly by the coralline algae.

KH Coralline Gro should be used instead of regular buffer supplements (such as Red Sea's Foundation™ KH/Alkalinity) during the cycling of all new marine aquariums and on an ongoing basis in fish-only or soft corals systems.

Notes: When using KH Coralline Gro, only use other supplements containing the elements Potassium or Iron (such as Red Sea's Trace-Colors™ "Potassium+" & "Iron+" supplements) according to a measured uptake of each element. KH Coralline Gro should not be used in conjunction with Red Sea's Foundation™ ABC+

General instructions for testing and supplementing:

1. Before carrying out any water testing always check the salinity and make adjustments as necessary. If you have made adjustments to the water wait 10 minutes for the water parameters to stabilize.
2. Test only with high resolution test kits such as Red Sea's Marin Care KH Test Kit.
3. Red Sea's KH Coralline Gro supplement has a dosing chart based on treating 100 liters / 25 gallons of water. Estimate your total volume of water (aquarium & sump less volume of live rocks etc) to calculate the correct dosage for your system.
4. Supplements should be added to the sump. If you do not have a sump, add the supplements slowly to an area with high water flow to prevent direct contact with the corals.
5. To prevent stress to the corals the maximum daily change of alkalinity should be no more than 0.5 meq/l (1.4 dkh)

Daily dosing – recommended for boosting coralline algae

Ensure that the alkalinity is at optimal values and run the aquarium for 4 days at a stable salinity (compensate for evaporation daily) without adding any supplements. At the end of the 4 days test the alkalinity and calculate the "4 day dosage" to replenish back to the optimal levels. Add the "4 day dosage" to the system. Divide this "4 day dosage" by 4 and use as the daily dosage for the next week.

After a week of adding the daily dosage, test the alkalinity and calculate the adjusting dosage of each supplement to replenish back to the optimal levels.

- If the adjusting dosage is significantly different from the previous daily dosage amend (increase/decrease) the daily dosage as appropriate.
- If the measured level is above the optimal level wait for the excess to be depleted before restarting the daily supplementation with the amended daily dosage.

Continue testing alkalinity every week and make adjustments to the daily dosages as required.

If you miss one or more days of supplementing add the complete amount that you have missed but do not exceed the maximum recommended daily increase.

Red Sea U.S.A
4687 World Houston Parkway #150
Houston, TX 77032
U.S.A
support.usa@redseafish.com

Red Sea Aquatics (UK) Ltd
PO Box 1237
Cheddar, BS279AG
United Kingdom
uk.info@redseafish.com

Red Sea Europe
655 Rue des Frères Lumière
27130 Verneuil d'Avre et d'Iton,
France
support.fr@redseafish.com

Red Sea Deutschland
Büro Deutschland
Prinzenallee 7 (Prinzenpark)
40549 Düsseldorf
support.de@redseafish.com

International
Free Trade Industrial Zone
Eilat 8814001, Israel
Tel: +972 9 956 7107
office@redseafish.co.il

Red Sea
www.redseafish.com

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