

The **Pro 360 Alkalinity/Water Extractor** is a more effective way to start any kind of plant in 6"x 6" rockwool blocks and will boost productivity of the 6"x 6" rockwool blocks. Roots love an oxygen-rich, aerobic moist environment to supply water/nutrients to the plant and to keep the roots respiring. Nutrient up-take is faster when adequate oxygen is available to the roots. The **Pro 360 Alkalinity/Water Extractor** eliminates starting with an overly wet rockwool block that can take as long as 3 weeks to dry-back. A healthy root zone starts by creating the maximum amount of oxygen possible for the roots and microbes to thrive in from day one.

Directions for starting clones/seedlings in 6" x 6" rockwool blocks.

The **Pro 360 Alkalinity/Water Extractor** easily attaches to any 3 1/2 - 5 gal. WET-VAC with a 2" hose.

1. Soak or top spray with water wand the 6"x 6" rockwool block in R/O water with 1-1.5 (EC) strength bloom nutrients. at 5.2 PH for 5 minutes.
2. Attach the WET-VAC hose to the 2" opening of the **Pro 360 Alkalinity/Water Extractor**.
3. Place the pre-soaked rockwool block with the factory plastic wrapper on the top of the **Pro 360 Alkalinity/Water Extractor** and turn on the WET-VAC for approximately 5 seconds. This will extract the alkalinity and stagnant water out of the rockwool block and pull in fresh vital oxygen.
4. Place the rockwool block on the **Pro 360 Waterproof Scale** for the desired weight when starting clones or seedlings. We recommend starting clones/seedlings at 3 1/2 lbs. 62% (WC) allowing the **Pro 360 System** to start on day 7 .
(NOTE) Keep a gallon of soak water handy if too much water is pulled out of the rockwool block so you can add some back to achieve target water content and weight.

****Choose your weight before you start ****

ALKALINITY PPM = PH REFERENCE FOR 6"x 6" ROCKWOOL WATER WEIGHT SCALE
 (these are approximations from testing using Hanna® Alkalinity Meter and Hanna® PH Meter)

These references are for starting rooted clones into the 6"x6" Rockwool Blocks vegetation stage 77-80 temperature; 65-70 humidity; 24/7

ROCKWOOL (WC) Wet %	RATING	WEIGHT OF 6x6 ROCKWOOL BLOCK	NUMBER OF DAYS TO DRY OUT	ALKALINITY LEVEL	PH LEVEL	START AUTOMATIC TOP FEED
100%	BAD	6 lbs.	16-20	300 PPM	8.0	Day 15
85%	OK	5 lbs.	13	250 PPM	7.5	Day 12
70%	GOOD	4 lbs.	10	200 PPM	7.0	Day 9
55%	GOOD	3 lbs.	7	150 PPM	6.5	Day 6
40%	OK	2 lbs.	4	150 PPM	6.5	Day 3
25%	BAD	1 lb.	2	150 PPM	6.5	Day 1

High toxic alkalinity is never preferred when growing plants in rockwool and makes many nutrients unavailable. High alkalinity is a by product left behind from the basaltic rock and chalk from the factory with approximately 300 PPM and a PH close to 8.0. Alkalinity is a measure of the carbonate and bicarbonate levels as dissolved lime stone that is insoluble and causes PH (potential of hydrogen) of the rockwool to keep rising (Alkalinity is what dictates the PH in rockwool). The **Pro 360 Alkalinity/Water Extractor** helps remove the alkalinity down from 300 to 150 PPM and bring the PH of the rockwool block from 8.0 to the 6.5 range with a more stable PH level.

All 6"x 6" rockwool blocks weigh near 0.5 lbs. dry but after the factory recommended PH soak, the rockwool block will weigh over 6 lbs. and will take up to 3 weeks dry-back/dry out. This results slow growth and anaerobic conditions in the rockwool until it completely dries out and the stagnant water is replaced by vital oxygen. Dry time is now 7-10 days instead of 16-20 days. The **Pro 360 Alkalinity/Water Extractor** is a valuable tool for end of harvest to remove unwanted water out of the rockwool blocks so they are light weight and easy to bag up for recycling.

