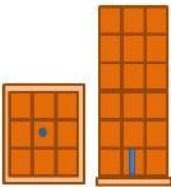




9 PARAMETERS TO BE SATISFIED*

1	HOLE DIAMETER	Depending on module size; max. tolerances between module & hole surfaces is 2 - 3.5 mm. The more the gap, the less the breaking effect.	
2	MODULE	Module is from HDPE with biodegradable resin. Max. thickness has to be <0.7 mm. Max. internal pressure it can withstand does not exceed 1.5 kg/cm ² (approx 20 psi), which is very low. This characteristic of the module body shows that; it is not designed to withstand considerable pressures but just to keep the material inside and function when placed in the hole.	
3	PACKING	Even though the module body has enough endurance limit against external pressure (being HDPE and already filled with the mixture), when packed in an UN Box and boxes on a pallet, total pressure that will exist on the most critical module will be far more lower than the pressure that may break or tear the module body. Because, boxes are designed to withstand the pressures exerted from top and sides so that modules cannot face any risky load. Additionally, as the mixture and electronic ignition component have NO self-ignition property, there is no risk for the module during transport and storage.	
4	STEMMING	Patented module design allows enough stemming to hold the module in place. Besides, there must be a min. Pressure around the module (which means around the mixture) so that, when ignited, that pressure supports the reaction level to start the activation and leading to rock breaking.	
5	MIXTURE	Chemical mixture is a product that has never existed before. It is a combination of an oxidizing solid and powder form of some fruits/vegetables and their wastes. It is so carefully balanced that lower and over certain limits of each shows no effect enough to break rock.	
6	PARTICLE SIZE	The chemical mixture has such a particle size distribution that, anything beyond these upper/lower limits bring almost no effect and this parameter is to be considered in parallel with ratios of the ingredients of the mixture.	
7	ELECTRONIC IGNITION COMPONENT	This component is a very specific design. It has such design parameters that, it can activate the mixture if and only if ... the mixture is carefully balanced according to the energy level that will come out from this component. Otherwise, electronic ignition component can have no effect on the mixture. The impulsive flash and energy coming out from the electronic ignition component is set to activate the system mixture only.	
8	IGNITION WIRE PARAMETERS	Ignition wire is a couple of certain cross-section with upper/lower limits. Besides, the copper content and no.s of strands are also important for an sustainable and reliable functioning.	
9	POWER REQUIREMENT	Power source is the brain of the system. It is designed and built to function in harmony with the rest of the system. Actually, the power supplied is capable of igniting the electronic ignition component of the system. This means, it does not work with any other means of electronic components of such.	

**Without satisfying these parameters together and in harmony, at the same time, the system does not function!*