

# CRACK ROCK DEMOLITION™

## Crack Rock or Concrete using 3 easy steps



1. Wear your safety glasses, rubber gloves, dust-proof mask and have all equipment needed in place.
2. Drill holes using a core drill, rock drill or compatible drill using a 1.5" diameter drill bit 8 to 16" apart. For harder rock and reinforced concrete hole spacing should be no more than 8" apart.
3. Drill between 80 to 90% of the depth within the material needing to be cracked.
4. CRD slurry must have free space to expand into. Create a series of empty holes if required.
5. For specific drill patterns refer to the Drill Guide on this bucket or our website.



1. Select the correct product type for your specific temperature range in the coloured blocks below.
2. Pour 1.4 - 1.6 litres of clean cold water in bucket and gradually add small bag (5Kg) of CRD powder. Do not mix more than 2 small bags (10Kg) at a time.
3. Using a mixing paddle completely dissolve powder in water and stir into a slurry. Longer mixing times will likely cause blowout shoot.

*Product Type temperature range for maximum performance*

**Type 1**  
20 to 35C  
(68/95F)

**Type 2**  
10 to 25C  
(50/77F)

**Type 3**  
5 to 15C  
(41/59F)

**Type 4**  
-8 to 5C  
(18/41F)



1. After drilling minimize water and residue left behind in the holes before using product.
2. Within 10 minutes of mixing pour the product into the holes filling within to 1" from the top.
3. Continuously pour the mixture into the holes one at a time to ensure no air gaps are trapped within.
4. For horizontal and slant holes, insert a slightly smaller plastic pipe into the hole, and then fill the expansive slurry into the pipe slowly, withdrawing the pipe from the hole simultaneously then cap it.
5. Do not leave any surplus mixture in the bucket use all remaining expansive mortar slurry.
6. After the holes have been filled keep out of sunlight, cover with a tarp and do **NOT** look into the holes.
7. For best results allow product to set for 24 hrs (product will continue to expand up to 48 hrs).

[WWW.CRACKROCKDEMO.COM](http://WWW.CRACKROCKDEMO.COM)

# PRODUCT DESCRIPTION

Crack Rock Demo is the fastest, most powerful and economical expansive controlled demolition agent of its kind. It is made of a safe, non-toxic powdered mixture of natural minerals. When mixed with water and poured into pre-drilled holes it will expand at an incredible force of over 20,000 PSI which is able to break any strength of rock or concrete.

## APPLICATIONS

### CONCRETE BREAKING

- Equipment pads
- Retaining walls
- Pillars
- Beams
- Foundations
- Patios
- Stair wells
- Driveways
- Roadwork

### ROCK BREAKING

- Boulder removal
- Boulder breaking
- Excavation
- Trenching
- Leveling
- Tunneling

### QUARRY & MINING

- Granite
- Marble
- Limestone
- Sandstone
- Onyx

## BENEFITS

- Increases productivity
- Increases safety
- Reduces labor costs
- Reduces pollution
- Reduces removal time
- Safe, environmentally friendly and gentle
- Clean, efficient and cost effective
- Non explosive
- Non impact
- Non flammable
- No special training, equipment or licenses
- No transportation restrictions
- No vibrations, flying rocks or toxic vapors
- No noise
- Provides access to areas where heavy plant or explosives are prohibited

## DRILL GUIDE INSTRUCTIONS

THE DRILL PATTERN REQUIRED WILL DEPEND ON THE MATERIAL YOU ARE CRACKING AND THE DESIRED SIZE OF PIECES. FOR FURTHER INFORMATION PLEASE CONTACT **CRD SALES** AT 1 (855) 625-0941 SALES@CRACKROCKDEMO.COM

**DRILLING EQUIPMENT REQUIRED:** ROCK DRILL, CORE DRILL OR SUBSTITUTE, DRILL BIT 1.5" DIAMETER, P.P.E. INCLUDING SAFETY GLASSES, GLOVES, AND DUST MASK.

DRILL GUIDE	CONCRETE (Mass)	CONCRETE (Reinforced)	ROCK
Hole Spacing	12 - 14"	8 - 10"	12 - 18"
Hole Diameter	1.5"	1.5"	1.5"
Hole Depth	80%	90%	90%

**STEP 1:** Determine the size of the rock or concrete pieces that are desired for removal. Refer to the drill guide table above for concrete, reinforced concrete and rock.

**STEP 2:** Mark out using a cross-hatched grid (#) adjust the grid to suite your needs.

**STEP 3:** Drill holes along the grid lines using the drill guide table. Ensure that the 'hole spacing' conforms to the suggested drill guide table.

**HOLE SPACING:** The hole spacing refers to the space between the holes along the grid lines. Adjust the spacing based on the hardness of the material. The harder the material, the closer the holes need to be.

**HOLE DEPTH:** 80% to 90% of the depth. In benching, drill 105% of the depth. Do not drill holes less than 3" in depth.

**FREE SPACE:** Always ensure that the CRD slurry mixture has free space to expand into. Create empty relief holes if necessary or drill holes on a minimum 45 degree angle to the substraight.

**HOLE DIAMETER:** For best results use 1.5" drill bit. (do **NOT** exceed 2" diameter hole).

