NEX-PAND

Rock Breaking Chemical

Mixing Instructions:

Mix every 5kg bag of Nex-Pand with 1.5 litres of clean, cold water and stir
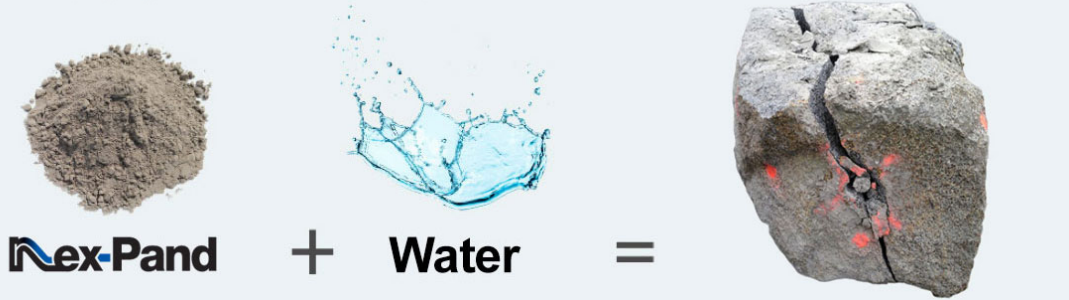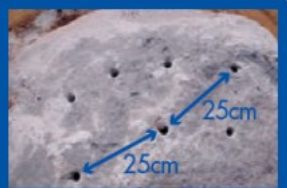
Nex-Pand + **Water** =

1. Drill holes into the rock & clear.
2. Space < 25cm apart, 90% deep.
3. Mix Nex-Pand with water.

4. Pour NexPand into your holes.
5. Leave for 2–3 hours to set.

Nex-pand is a lime based product that will expand once it has been mixed the correct amount of water (1.5 liters/5kg bag) with each 5kg bag. Once thoroughly mixed, this mixture is then poured into pre-drilled holes in the rock, concrete, or reinforces concrete. This product will react over a period of time and will crack and break the rock, concrete or reinforced concrete. The reaction time is anything from a few hours (2-3 hrs) to a max of 24hrs.

The product comes in 3 types (all the same price):

• Type 1 - -5° to 10° (Winter Product)
• Type 2 - 10° to 25° (Summer Product)
• Type 3 - 25° to 40° (Extreme Summer Product)

Advantages:

1. Available "Off the shelf" to anybody (No special training required!)

2. Its Ultra Safe:-
a. No Noise
b. No Vibrations

c. No Gases
d. No Fly rock

3. Requires no permits for transport, storage and use thereof 4. Nexpand is an Environmentally Friendly product :-

a. It creates no fumes and leaves no residue
b. Easily washes away with water
c. No damage whatsoever to surrounding property, buildings or installations d. Ideal for sensitive areas

Disadvantages:

1. Nexpand may can take up to 24 hrs to react

Nex-pand Needs

The standard is to drill around 36/38mm holes. One could go to as small as a 32mm if you want. This is generally for deeper holes. It is not economical to drill bigger than around a 42mm to 45mm diameter hole, because the chemical will only blow out. (Most of the time)

We recommend that you start drilling a 30cm burden, in harder rock we suggest you go closer, to 25cm burden. The holes drilled need to be at least 90% of the depth of the rock you want to break, with no less than around 400mm deep.

For example:
• Length of the rock = 2m/0.30cm = around 7 holes • Width of the rock = 3m/0.30cm = 10 holes
• Total holes = 10 x 7 = 70 holes to be drilled

Kilograms of our product needed = Number of holes X depth of the hole X factor (38mm hole) = 70 x 1.8m deep x 1.8kg of product needed = 226kg kg/ 20 = 11.34 ≈ 12 boxes of 20kg (come in 20kg boxes)

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