



## Non-Explosive Controlled Breaking, Cutting and Demolition Agent.

Distributors Nationwide Web: [www.DexpanInternational.com](http://www.DexpanInternational.com)

For Demolition, Concrete Cutting, Rock Breaking, Granite and Marble Quarrying, Mining ...  
Powered by the most advanced technology



*Non-Explosive Controlled Demolition  
Safer, Easier, Faster and Cost Effective*

### What are the advantages of Dexpan?

- ❑ Amazing expansive capability to break reinforced concrete, rock, marble, granite, limestone or any material you are working with.
- ❑ Easy to use, just mix with water then fill into holes.
- ❑ Non-Explosive, much safer than explosives, does the job with NO noise, NO vibration, NO flying rocks and NO toxic gases.
- ❑ Works efficient and cost effective, no special license, training and equipment needed.
- ❑ Earth friendly product, MSDS (Material Safety Data Sheet) is available.

### What is Dexpan?

**DEXPAN** is a Non-Explosive, Controlled Demolition Agent. **DEXPAN** is used for Demolition, Excavation, Quarrying, Rock Breaking and Concrete Cutting. **DEXPAN** is packed in moisture-proof boxes, Size: (38cm x 28cm x 18cm), Weight: 20kg, with every box containing four plastic bags each holding 5kgs of Dexpan powder.



**DEXPAN**, once mixed with clean water is poured into holes pre-drilled in the material you are working with, i.e. it can be poured into the same holes where dangerous explosives are usually placed. **DEXPAN** can do more work safely, while providing controlled expansive cracking. **DEXPAN** can also be used to achieve perfect slabs, and blocks from Limestone, Marble, Granite, Sandstone or whatever material you are working with. **DEXPAN** can be applied in the field where cracking by means of explosives is not suitable. **DEXPAN** makes clean up on the job site safer, faster and easier to stay within environmental and Local Health and Safety regulations. **DEXPAN's** environmental implications are obvious: (i) Little Clean – Up, (ii) Dissolves in water after use, (iii) No Chemical Residue and (iv) No Gaseous Fumes.

**DEXPAN** is safe to use in close quarters, where large equipment cannot reach and dust contamination is totally out of the question. **DEXPAN** is there to help cut cost & increase safety. When explosives have to be used, it can be used to structurally weaken buildings in order to use less explosives and to help ensure an even safer collapse.

### What can Dexpan help you with?

#### Demolition, Reinforced Concrete Cutting, Demolition of Abandoned Buildings, Deconstruction...

- ◆ Demolition of mass concrete ◆ Demolition of foundations for machinery and structures
- ◆ Pillar, beam, wall or slab of bridges demolition ◆ Demolition of temporary concrete structures ◆ Demolition of piers
- ◆ Demolition of retaining wall ◆ Partial demolition of various concrete structures

#### Excavating, Rock and Stone Breaking, Road Paving, Tunnel Excavating, Demolition under water...

- ◆ Excavation of rock wall or bedrock ◆ Splitting of boulders ◆ Slab ◆ For road expansion ◆ For resident development
- ◆ Excavation associated with tunneling ◆ Trenching shaft sinking ◆ For various types of construction work

#### Limestone, Onyx, Marble and Granite Quarrying, Mining ...

- ◆ Non-Explosive Quarrying ◆ Controlled Cutting to avoid waste of Valuable Material

## Non-Explosive Demolition Agent



1. Demolition, Excavating, Remodeling  
Building Deconstruction



2. Breaking Reinforced Concrete,  
Cement, Rock, Limestone



3. Granite, Marble Quarrying, Mining  
Avoid waste of valuable material



4. Other Demolition Work  
Where you can NOT use Explosives  
Or Traditional Equipment

### □ Types of Dexpan:

Depending on usable temperature, there are three types of Dexpan:

**Dexpan I** – (usable temperature of C° 25/40)

**Dexpan II** – (usable temperature of C° 10/25)

**Dexpan III** – (usable temperature of C° -5/10)

### □ Drilling and Mixing:

#### A. Drilling:

Drill hole with an air drill according to the requirements of design.

Hole Diameter: 38mm - 50mm (1 ½" – 2.0")

Hole Spacing: 30cm – 60cm (1ft – 2ft) apart,

Depth Required: 70 -95% of depth, (don't go through the material)

#### B. Mixing:

For a small amount of DEXPAN, mixed by hand, use rubber glove.

For the best result, use drill with a paddle to mix it well. Pour about 1.5 liter clean water into a container and add one bag of DEXPAN (5kg).

#### C. Filling:

Clean up the holes before filling, you may use a blower to get rid of the dust in holes.

DEXPAN slurry should be poured into hole with in 10 minutes after mixing.

For horizontal holes, a grouting pump and a plug for stopping are required.

D. The cracks can appear in 45min after filling, depending on weather, rocks and concrete temperature. The cracks become wider with time (48hr+ expanding time).

#### E. Recommendations:

- A pair of safety goggles, rubber gloves and Dust-proof mask is recommended when working.
- After filling, DO NOT look at any hole directly.
- Keep DEXPAN in dry storage.
- Choose the correct DEXPAN type for the weather.

### □ Usage Tips:

1. Mix well and pour into holes while agitating the hole to make sure no air gaps are in the hole. Example: using a piece of rod or stick to poke holes.
2. Fill the hole almost to the top, leave at least 15mm (½ inch) before reaching the top.
3. In the summer, the best time to use DEXPAN is early in the morning or evening when temperature of material is low.
4. In the summer, cover holes to avoid direct sunlight. Example: using a tarp
5. Depending on the material, you may be able to mix DEXPAN with more water to lower your cost.



Drilling Holes



Filling Holes

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