

topeca[®]
dinamit



TECHNICAL DATA SHEET

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topeca
dinamit

special products

dynamite without a detonation of universal application



use

Topeca Dinamit is an expansive cement used in demolition work as an explosive which does not require detonation. It does not produce sound, vibration or sudden loosening of stone.

Topeca Dinamit can be used in closed spaces, in the open air, under water or in sites which are difficult to access with demolition equipment. It can be used in quarries, mines, tunnels and for large-scale or domestic demolition work.

surface

- Stone;
- Concrete;
- Blocks;
- Loose Stone,...



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recommendations

Apply Topeca Dinamit strictly complying with all regulatory health and safety at work procedures.

composition and characteristics

Composition:

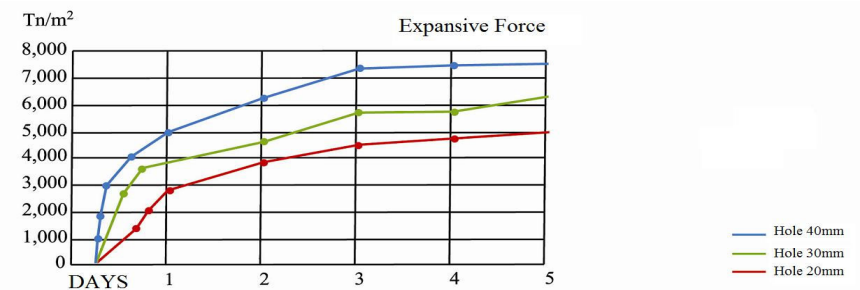
Expansive cements, calcium hydroxide, specific additives and mineral fillers.

Characteristics:

pH = 11

Application temperature: 5°C to 30°C.

NOTE: Results obtained from laboratory tests, under normal conditions (T = 20 ° C) may vary depending on application conditions.



The expansive force of Topeca Dinamit increases progressively over the course of the day. For most materials sufficient to achieve 3.000 Ton/m².

Comply with the amounts of water.

Take special care in demolition objects or structures that are interconnected with others who do not want to tear / damage. In these cases it is necessary to create space / courts in order to expand the Topeca Dinamit avoid damaging structures that wish to remain intact.

After each use seal the bag to prevent ingress of moisture and the reaction with the product.

colour

Grey

consumption

See table in "preparation of support."

available in

Bucket of 25 Kg.

storage

1 year from date of manufacture in unopened container under the ice and moisture.



preparation of surface

Drill holes using drill bits of suitable diameters.

The ideal diameter for holes is 40mm.



OBJECT		DISTANCE(cm)		Kg Topeca Dinamit / m ³ demolition
		Hole 3 cm	Hole 4 cm	
Loose blocks	Soft rock	36-48	48-64	3.5-5.5
	Semi-hard rock	30-39	40-52	4.3-8.5
	Hard rock	18-33	24-44	7.5-11
Concrete	Mass	30-45	40-60	5.6-11
	Armed	15-24	20-32	21-35
Rock (2 free sides)	Soft rock	30-45	40-60	5.5-11
	Semi-hard rock	24-36	32-48	8.5-15.7
	Hard rock	15-30	20-40	10-21

When demolishing objects or structures which are connected to others which are not intended for demolition, it is necessary to create spaces/separation points which allow the expansion of Topeca Dinamit but avoid damage to structures which are to remain intact.

application

Mix Topeca Dinamit with 25% to 30% water. The water used should not be at a temperature higher than 20°C. Strictly comply with these water percentages.

Mix the paste until lump free and fluid.



If the bores are dry they can be filled directly from the bucket.

If the bores are wet a polyethylene tube of the same diameter as the bore should be used.

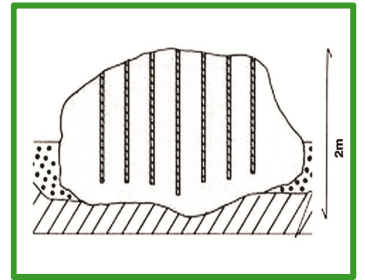
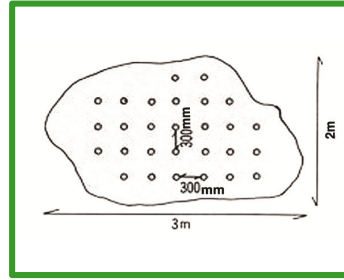


In less than 10 hours Topeca Dinamit produces an expansive pressure of more than 5000 Ton/m². The expansive strength of Topeca Dinamit increases progressively over a period of days.

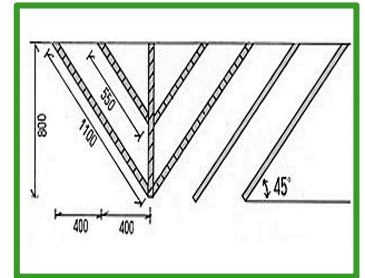
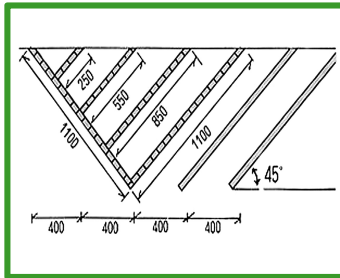


application

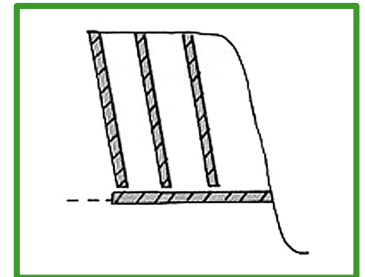
Example of demolition of a large block (hard rock) hole \varnothing 40mm and depth = 80% of the time, consumption Topeca Dinamit = 10 kg / m³.



Example of extraction of stone / rock: hole \varnothing 40mm, drilling 60 ° slope or less, consumption Topeca Dinamit = 42kg / m³.



Extraction with 2 free faces.



Concrete: hole \varnothing 40mm, with main reinforcement and drilling previously sectioned parallel to the free face, consumption Topeca Dinamit = 5kg/m³.

